Table 4: Refugee returnee families - spring 1994 in 9 districts surveyed.

No	District	Families Returning in Spring 94		Total Refugees Families
		No	%	No
1	BAGHRAN	6	1	589
2	KAJAKI	0	0	231
3	MUSA QALA	8	11	73
4	NAD-E ALI	426	13	3181
5	NAHR-E SARAJ	229	5	4707
6	NAW ZAD	9	1	1489
7	NAWA BARAKZAI	0	0	3575
8	SARBAN QALA	0	0	974
9	WASHIR	0	0	1811
	Total	678	4	16630

Employment Opportunities

Labour represents one of the most vital resources available and a large proportion of available manpower (76%) in the districts surveyed relied on daily wages from labouring as a major source of income. 11% of the farmers in the districts surveyed relied on animal husbandry for their income. Both trade and governmental activities provided the least in terms of income opportunity employing only 1% and 2% of the labour force respectively (Table 5). The percentage of shop keepers 5% and craftsmen 4% was lower in comparison to those employed as labourers.

Table 5: Employment categories in 9 districts surveyed.

No	District	Categories													
		Trader		Shopkeeper		Livestock Owner		Craftsman		Government Employee		Labourer		Total	
		No	%	No	%	No	%	No	%	No	%	No	%	No	%
1	BAGHRAN	23	0	351	4	818	9	157	2	38	0	7890	85	9277	100
2	KAJAKI	8	0	292	6	140	3	242	5	51	1	4436	86	5169	100
3	MUSA QALA	67	1	423	6	1323	17	383	5	27	0	5417	71	7640	100
4	NAD-E ALI	222	2	492	4	609	5	495	4	484	4	10004	81	12306	100
5	NAHR-E SARAJ	115	3	275	8	172	5	373	10	234	7	2406	67	3575	100
6	NAW ZAD	14	0	351	3	2873	27	207	2	69	1	7236	67	10750	100
7	NAWA BARAKZAI	0	0	106	4	78	3	277	10	34	1	2186	82	2681	100
8	SARBAN QALA	96	6	254	17	39	3	163	11	59	4	919	60	1530	100
9	WASHIR	38	2	87	5	150	9	126	8	60	4	1136	71	1597	100
	Total	583	1	2631	5	6202	11	2423	4	1056	2	41630	76	54525	100

Kajaki and Baghran districts recorded the highest number of labourers at 86% and 85% respectively while Sarban Qala district was the lowest with 60%. Livestock ownership ranked next as a major source of employment. The highest percentage of the local population (27%) employed in this sector was found in Naw Zad district followed by Musa Qala with 17%. Livestock ownership at 3% ranked very low in Kajaki, Nawa Barakzai and Saban Qala. Other forms of category were found to be less significant. Numbers employed as shopkeepers were generally low except in Saban Qala where 17% of the local people worked in this category. Numbers of craftsmen living in the survey areas were very low with the highest percentage being in Saban Qala 11% and 10% in Nahr-e Saraj and Nawa Barakzai districts.

Following analysis of the data indications are that employment opportunities existing in the districts surveyed were limited. Where agricultural land and livestock management were concerned, labour opportunities were greater. Indications were that existing employment opportunities in the trade, government, crafts and business sectors were insufficient to meet the growing demand in the communities.

Village Leadership

Farmers were asked to rank village leaders according to authority and influence within their respective villages. Results of the survey indicate that the traditional pattern of village leadership as having changed significantly. Commanders ranked first in all districts with the exception of Nahr-e Saraj district where they ranked fifth. The position of village Maulavis ranked second in the districts of Baghran, Kajaki, Nad-e Ali, Nahr-e Saraj and Naw Zad and third in Musa Qala and Nawa Barakzai. Elders ranked first in Nahr-e Saraj. They ranked second in the districts of Musa Qala, Nawa Barakzai, Sarban Qala and Washir and third in Baghran, Nad-e Ali and Naw Zad. Maliks were considered as belonging to the village leadership group and were found to rank third in the district of Nahr-e Saraj and fourth in other districts with the exception of Musa Qala and Sarban Qala where they ranked fifth (Table 6).

Among other village leaders, khans[1], teachers, traders and government employees generally ranked in fifth, sixth and seventh positions respectively (Table 5).

From data interpretation village leadership ranking was found to be as follows:

1 - Commanders	5 - Khans
2 - Maulavis	6 - Teachers
3 - Elders	7 - Traders
4 - Maliks	8 - Government employees

[1] Landlord

Table 6: Village leadership ranking in 9 districts surveyed.

No	District	Leadership	No of Times Ranked								Weighted Rank
			1st	2nd	3rd	4th	5th	6th	7th	8th	
1	BAGHRAN	Maulavis	21	98	80	20	16	0	0	0	2
		Commanders	213	15	6	1	0	0	0	0	1
		Maliks	0	33	19	88	51	22	16	6	4
		Khans	1	1	31	84	97	7	7	7	5
		Traders	0	0	0	4	14	36	20	161	8
		Elders	1	87	97	17	32	1	0	0	3
		Teachers	0	0	2	21	15	114	73	10	6
		Government employees	0	0	0	1	10	55	119	50	7
2	KAJAKI	Maulavis	0	106	59	0	0	0	0	0	2
		Commanders	164	0	1	0	0	0	0	0	1
		Maliks	0	0	0	141	14	7	2	1	4
		Khans	0	0	1	15	125	8	6	10	5
		Traders	0	0	0	0	9	120	23	13	6
		Elders	1	61	103	0	0	0	0	0	3
		Teachers	0	0	0	7	13	24	119	2	7
		Government employees	0	0	0	1	3	7	15	139	8
3	MUSA QALA	Maulavis	1	70	72	1	0	0	0	0	3
		Commanders	141	2	1	0	0	0	0	0	1
		Maliks	0	1	1	26	60	19	21	16	5
		Khans	1	0	1	83	33	13	10	3	4
		Traders	0	0	1	12	18	28	33	52	7
		Elders	2	71	67	2	1	0	0	0	2
		Teachers	0	0	0	13	20	54	43	10	6
		Government employees	0	0	1	7	13	31	32	56	8
4	NAD-E ALI	Maulavis	13	77	55	15	10	0	0	0	2
		Commanders	137	20	5	1	3	1	1	2	1
		Maliks	8	24	12	81	35	6	4	0	4
		Khans	0	6	15	34	85	10	14	2	5
		Traders	0	0	0	1	5	8	6	116	8
		Elders	11	43	78	25	11	1	0	0	3
		Teachers	0	0	4	9	17	95	25	0	6
		Government employees	1	0	1	4	2	30	97	15	7
5	NAHR-E SARAJ	Maulavis	13	62	16	18	21	4	2	0	2
		Commanders	46	33	28	4	19	3	1	2	5
		Maliks	0	5	42	38	14	18	10	9	3
		Khans	6	14	26	47	36	7	0	0	4
		Traders	0	0	6	10	15	39	22	43	6
		Elders	70	22	16	10	15	2	1	0	1
		Teachers	1	0	1	7	6	30	59	31	7
		Government employees	0	1	1	2	10	32	41	48	8
6	NAW ZAD	Maulavis	4	151	34	1	0	0	0	0	2
		Commanders	122	18	49	0	0	0	1	0	1
		Maliks	0	0	3	166	17	4	0	0	4
		Khans	1	0	0	14	159	14	2	0	5
		Traders	0	0	0	2	11	134	8	35	6
		Elders	63	21	103	2	1	0	0	0	3
		Teachers	0	1	0	1	3	35	143	7	7
		Government employees	0	0	1	4	0	2	35	148	8
7	NAWA BARAKZAI	Maulavis	2	14	70	0	0	0	0	0	3
		Commanders	70	10	4	1	1	0	0	0	1
		Maliks	1	0	1	61	11	2	10	0	4
		Khans	0	0	0	3	52	20	7	4	5
		Traders	0	0	0	4	8	52	8	14	6
		Elders	13	62	11	0	0	0	0	0	2
		Teachers	0	0	0	12	8	6	52	8	7
		Government employees	0	0	0	4	7	5	9	60	8

Table 6: Village leadership Ranking in 9 districts surveyed (Continued).

No	District	Leadership	No of Times Ranked								Weighted Rank
			1st	2nd	3rd	4th	5th	6th	7th	8th	
8	SARBAN QALA	Maulavis	4	11	6	21	4	1	0	0	4
		Commanders	31	6	2	1	2	1	4	0	1
		Maliks	0	0	2	9	13	13	7	3	5
		Khans	1	1	29	10	2	1	0	3	3
		Traders	0	2	4	2	12	8	2	17	8
		Elders	11	27	7	1	1	0	0	0	2
		Teachers	0	0	1	3	5	14	21	2	6
		Government employees	0	0	0	0	8	8	12	19	7
9	WASHIR	Maulavis	29	11	0	8	8	4	2	1	5
		Commanders	32	10	21	0	0	0	0	0	1
		Maliks	1	0	3	25	15	4	4	11	4
		Khans	0	6	18	16	23	0	0	0	3
		Traders	0	0	1	9	4	11	4	34	8
		Elders	2	37	18	0	5	1	0	0	2
		Teachers	1	0	0	1	4	29	25	3	6
		Government employees	0	0	1	3	4	13	28	14	7

AGRICULTURE AND IRRIGATION

Irrigated agriculture, the most important sector of the economy in Helmand province, has been severely affected by the prolonged war in Afghanistan. In consideration of survey objectives emphasis was placed on farm size, farm power, crops cultivated, irrigation sources and rehabilitation requirements.

Farm Size and Farm Power

Helmand province is comprised largely of flatland which consists of large sized farms. Average size of family farms was generally found to be twenty jeribs (five jeribs equate to one hectare) ranging between four to fifty seven jeribs in the districts surveyed. In Nahr-e Saraj fifty seven jeribs, Naw Zad thirty seven jeribs and Nawa Barakzai thirty jeribs was generally the norm while in Nad-e Ali, Kajaki and Washir average farm size was ninteen, twelve and eleven jeribs respectively (Table 7).

Table 7: Average farm size, average number of landless families and type of farm power in 9 districts surveyed.

No	District	Average Farm Size (jeribs)	Average No of Landless Families	Type of Farm Power		
				Average No of Tractors	Average No of Oxen	Average No of Threshers
1	BAGHRAN	4	11	1	7	0
2	KAJAKI	12	15	1	11	1
3	MUSA QALA	5	22	1	4	0
4	NAD-E ALI	19	29	3	4	1
5	NAHR-E SARAJ	57	35	2	5	0
6	NAW ZAD	37	18	2	10	0
7	NAWA BARAKZAI	30	18	3	7	1
8	SARBAN QALA	7	18	1	10	0
9	WASHIR	11	11	1	11	0
	Average	20	20	2	8	1

Severe economic pressures and rural poverty have in the past left many families landless. An average of thirty five landless families were recorded from villages in Nahr-e Saraj followed by twenty nine in Nad-e Ali with the lowest at eleven being in Baghran and Washir.

On average eight oxen and two tractors were recorded in the districts surveyed. In Kajaki an average of eleven oxen, one tractor and one thresher were recorded per village. In the districts of Nad-e Ali and Nawa Barakzai the number of tractors and threshers recorded were supported by an average of four and seven draught oxen per village. No threshers were recorded in the districts with exception of Kajaki, Nad-e Ali and Nawa Barakzai.

Average farm size was found to have a direct bearing on the living standards of rural communities. A lower average farm size indicated a higher degree of poverty.

Crops Cultivated

Wheat, maize, barley and rice were the main food crops cultivated in the districts surveyed (Annex-3).

Different types of fruit crops cultivated were found to be Pomegranates, grapes, apricots, plums, figs, apples, peaches, almonds and mulberries being the most common with the former three types being generally considered the most valuable fruit crops in the districts surveyed.

Cash crops such as cotton, tobacco, cumin, oil crops and mustard were cultivated throughout the districts surveyed.

The diversity of vegetable crops cultivated in the districts indicates a greater potential for vegetable crop production particularly onions and potatoes. Other main vegetable crops most commonly found in the survey area included tomatoes, egg plant, spinach, garlic, leeks, pumpkins, water melons, melons, green beans, cucumbers and carrots (Annex-3).

Many villages cultivated opium poppy. In addition Cannabis was cultivated by some farmers in all the districts surveyed except Kajaki and Musa Qala.

Irrigation Sources and Rehabilitation Needs

Approximately 5% of agricultural land in Helmand province, (35,910 jeribs) was rainfed. The highest percentage was recorded in Kajaki and Naw Zad with an area of 15,960 jeribs (15%) and 16,450 jeribs (10%) respectively being rainfed. In Nad-e Ali and Nawa Barakzai canal irrigation systems provided the only irrigation source and 96%, 89% and 68% of capacity in Sarban Qala, Nahr-e Saraj and Musa Qala districts respectively. Karez irrigation systems were utilized for irrigation purpose irrigating 99%, 82% and 73% of agricultural land in Washir, Naw Zad and Kajaki districts respectively. Spring irrigation systems were used in Baghran, Kajaki and Musa Qala irrigating as much as 55%, 4% and 3% of agricultural land respectively (Table 8).

The main problems affecting canal irrigation systems included blocked canals and destruction and partial damage of intakes. The number of blocked canals were reported to be up to 54% in Baghran, 52% in Musa Qala, 33% in Nahr-e Saraj, 32% in Kajaki, 29% in Nad-e Ali and 26% in Nawa Barakzai. Intake destruction in the villages was 86% in Sarban Qala, 62% in Nahr-e Saraj and 30% in Kajaki. Partial damage to intakes, where reported, accounted for 33% of the intakes in Musa Qala, 31% in Nawa Barakzai and 24% in Naw Zad district. In comparison to intake damage or destruction, damage to canal infrastructure was worse at 100% in Washir, 36% in Baghran, 34% in Naw Zad and Nawa Barakzai and 33% in Nad-e Ali were recorded (Table 9).

Table 8: Irrigation sources in relation to land under cultivation in 9 districts surveyed.

No	District	Irrigation Sources	Land under Irrigation (Jeribs)		Rainfed (Jeribs)		Total Land (Jeribs)	
			No	%	No	%	No	%
1	BAGHRAN	Canal	5791	12	2755	6	47300	100
		Karez *	12645	27				
		Spring	26109	55				
		Well	0	0				
2	KAJAKI	Canal	7575	7	15960	15	103282	100
		Karez	75040	73				
		Spring	4647	4				
		Well	60	0				
3	MUSA QALA	Canal	26626	68	470	1	38896	100
		Karez	10685	27				
		Spring	1100	3				
		Well	15	0				
4	NAD-E ALI	Canal	183847	100	15	0	184062	100
		Karez	0	0				
		Spring	0	0				
		Well	200	0				
5	NAHR-E SARAJ	Canal	98401	89	260	0	110351	100
		Karez	11340	10				
		Spring	150	0				
		Well	200	0				
6	NAW ZAD	Canal	9720	6	16450	10	157092	100
		Karez	128177	82				
		Spring	2620	2				
		Well	125	0				
7	NAWA BARAKZAI	Canal	98845	100	0	0	99045	100
		Karez	0	0				
		Spring	0	0				
		Well	200	0				
8	SARBAN QALA	Canal	16420	96	0	0	17020	100
		Karez	600	4				
		Spring	0	0				
		Well	0	0				
9	WASHIR	Canal	330	1	0	0	36360	100
		Karez	36030	99				
		Spring	0	0				
		Well	0	0				
	Total		757498	95	35910	5	793408	100

* Underground irrigation channels

A total of 1,664 rehabilitation needs related to canal irrigation systems were identified in the districts. Specific requirements varied from district to district. Reconstruction of intakes was a priority in Sarban Qala district and accounted for 89% of irrigation rehabilitation needs in Nahr-e Saraj, 45% in Nawa Barakzai, 30% in Kajaki, 27% in Musa Qala and Naw Zad and 25% in Nad-e Ali. The percentage requirements for rehabilitation of canal diversion was 43% in Baghran, 27% in Musa Qala and 25% Nad-e Ali. This was considered a priority in Washir but not in Sarban Qala district (Table 10).

Reconstruction of aqueducts was not widely indicated and being required with approximately 30% being identified in Baghran, 25% in Nad-e Ali and Naw Zad and 23% in Musa Qala. This requirement was not reported in Sarban Qala and Washir districts. The need for reconstructing of culverts as reported was very low in all the surveyed districts ranging from zero in Sarban Qala and Washir to 41% in Nawa Barakzai, 21% in Naw Zad and 20% in Musa Qala and 16% in Kajaki.

Table 9: Problems with canal irrigation systems in 9 districts surveyed.

No	District	Intake Destroyed		Intake Damaged		Canal Damaged		Uncleaned		Mined		Security of Access		Total	
		No	%	No	%	No	%	No	%	No	%	No	%	No	%
1	BAGHRAN	5	3	12	8	57	36	86	54	0	0	0	0	160	101
2	KAJAKI	17	30	3	5	18	32	18	32	0	0	0	0	56	100
3	MUSA QALA	23	9	88	33	19	7	139	52	0	0	0	0	269	100
4	NAD-E ALI	145	29	42	9	163	33	144	29	0	0	0	0	494	100
5	NAHR-E SARAJ	89	62	7	5	1	1	47	33	0	0	0	0	144	100
6	NAW ZAD	29	27	25	24	36	34	16	15	0	0	0	0	106	100
7	NAWA BARAKZAI	27	8	101	31	108	34	85	26	0	0	0	0	321	100
8	SARBAN QALA	50	86	0	0	3	5	5	9	0	0	0	0	58	100
9	WASHIR	0	0	0	0	2	100	0	0	0	0	0	0	2	100
	Total	385	24	278	17	407	25	540	34	0	0	0	0	1610	100

Construction of syphons was identified in the districts as 20% in Kajaki, 13% in Nad-e Ali, 11% in Baghran and 10% in Naw Zad.

The survey indicated that canals provided the main source of irrigation in the districts surveyed and were most in need of rehabilitation.

Table 10: Canal irrigation rehabilitation needs in 9 districts surveyed.

No	District	Rehabilitation Needs											
		Construction of Intake		Construction of Aqueducts		Construction of Diversion		Construction of Culverts		Construction of Syphons		Total	
		No	%	No	%	No	%	No	%	No	%	No	%
1	BAGHRAN	15	10	44	30	64	43	9	6	17	11	149	100
2	KAJAKI	18	30	13	21	8	13	10	16	12	20	61	100
3	MUSA QALA	89	27	76	23	89	27	67	20	8	2	329	100
4	NAD-E ALI	170	25	170	25	168	25	83	12	88	13	679	100
5	NAHR-E SARAJ	122	89	2	1	5	4	8	6	0	0	137	100
6	NAW ZAD	22	27	20	25	14	17	17	21	8	10	81	100
7	NAWA BARAKZAI	81	45	8	4	17	9	74	41	2	1	182	100
8	SARBAN QALA	44	100	0	0	0	0	0	0	0	0	44	100
9	WASHIR	0	0	0	0	2	100	0	0	0	0	2	100
	Total	561	34	333	20	367	22	268	16	135	8	1664	100

STATUS OF ILLICIT CROP CULTIVATION

The Baseline Survey, first initiated in 1993 in Nangarhar province, was implemented to provide information to better enable ADCRP to meet its objectives aimed at reducing and eventually eradicating illicit crop cultivation, drug abuse and trafficking in its operational areas. As part of this survey information on the status of illicit crop cultivation including inputs in opium production, marketing and income from opium, attitudes towards opium poppy and prevalence of drug abuse was to be gained.

Illicit Crop Cultivation

Illicit crop cultivation has a long history in some districts of Helmand province. In 33% of villages covered by the survey farmers reported opium poppy cultivation as being a historical practice. In 29% of the villages farmers stated that illicit crop cultivation commenced comparatively recently while in only 23% of the villages farmers indicated that cultivation commenced during the war (Table 11).

Table 11: History of illicit crop cultivation in 9 districts surveyed.

No	District	History by Villages									
		Historically		Before the War		During the War		Recently		Total	
		No	%	No	%	No	%	No	%	No	%
1	BAGHRAN	142	61	82	35	10	4	0	0	234	100
2	KAJAKI	36	22	80	48	27	16	22	13	165	100
3	MUSA QALA	144	100	0	0	0	0	0	0	144	100
4	NAD-E ALI	0	0	1	1	112	69	49	30	162	100
5	NAHR-E SARAJ	6	5	0	0	102	83	15	12	123	100
6	NAW ZAD	0	0	14	7	1	1	175	92	190	100
7	NAWA BARAKZAI	0	0	0	0	0	0	86	100	86	100
8	SARBAN QALA	35	74	1	2	4	9	7	15	47	100
9	WASHIR	38	60	3	5	21	33	1	2	63	100
	Total	401	33	181	15	277	23	355	29	1214	100

Comparing historical illicit crop cultivation in the nine survey districts, farmers in all the villages of Musa Qala district, 74% of them in villages in Sarban Qala, 61% in Baghran and 60% in Washir districts stated illicit crop cultivation as being a long standing practice. Farmers in all of the villages of Nawa Barakzai, 92% in Naw Zad and 30% in Nad-e Ali districts reported cultivation as taking place recently while in 83% of the villages of Nahr-e Saraj, 69% of villages in Nad-e Ali farmers expressed the opinion that illicit crop cultivation had begun during the war.

Opium poppy was cultivated in 1,123 villages (91%) while Cannabis was grown only in 9 villages (1%) in the surveyed districts. Among the districts surveyed 13 out of 136 villages in Nahr-e Saraj (10%) and 8 out of 170 villages in Nad-e Ali (5%) did not cultivate illicit crops (Table 12).

Table 12: Number of villages growing illicit crops in 9 districts surveyed.

No	District	Illicit Crops Cultivation by Villages									
		Opium Poppy		Cannabis		Both		None		Total	
		No	%	No	%	No	%	No	%	No	%
1	BAGHRAN	228	97	5	2	1	0	1	0	235	100
2	KAJAKI	165	100	0	0	0	0	0	0	165	100
3	MUSA QALA	144	100	0	0	0	0	0	0	144	100
4	NAD-E ALI	142	84	0	0	20	12	8	5	170	100
5	NAHR-E SARAJ	76	56	0	0	47	35	13	10	136	100
6	NAW ZAD	187	98	0	0	3	2	0	0	190	100
7	NAWA BARAKZAI	83	97	0	0	2	2	1	1	86	100
8	SARBAN QALA	41	87	0	0	6	13	0	0	47	100
9	WASHIR	57	90	4	6	2	3	0	0	63	100
	Total	1123	91	9	1	81	7	23	2	1236	100

Total area under opium poppy cultivation was recorded as 169,263 jeribs out of 443,268 jeribs (38%) of cultivated land in the districts surveyed (Figure.1). The area of land under opium poppy cultivation ranged from 5,037 jeribs in Nawa Barakzai to 30,244 jeribs in Nad-e Ali. This ranged from 10,018 jeribs in Sarban Qala to 29,660 jeribs in Naw Zad (Table.13).

Table 13: Comparison of land under opium poppy cultivation versus total land cultivated in 9 districts surveyed.

No	District	Cultivated Land (Jeribs)		
		Total	Opium Poppy	Opium Poppy %
1	BAGHRAN	40859	23527	58
2	KAJAKI	37503	12893	34
3	MUSA QALA	38096	22796	60
4	NAD-E ALI	111960	30244	27
5	NAHR-E SARAJ	62201	24038	
6	NAW ZAD	67639	29660	44
7	NAWA BARAKZAI	51230	5037	10
8	SARBAN QALA	14460	10018	69
9	WASHIR	19320	11050	57
	Total	443268	169263	38

INTRODUCTION

In 1989 the Afghanistan Drug Control and Rural Rehabilitation Project (ADCRP) prioritised Helmand province as being one of the main target regions for the implementation of assistance programmes within the framework of its supply and demand reduction strategy.

In line with the fourth objective of ADCRP the Baseline Survey was conducted to determine the status of illicit crop cultivation and drug abuse in conjunction with community needs in Helmand province.

The ADCRP main objectives include: "(1) *To reduce significantly and measurably opium poppy cultivation in selected districts in the provinces of Badakhshan, Konar, Nangarhar, Helmand and Qandahar from the pre-project implementation levels; to reduce community dependency on income derived from opium in the project's areas of operation.* (2) *To create awareness of the dangers of drug abuse and to carry out training courses and campaigns among teachers, doctors, community and religious leaders, women's groups and administrative personnel in the project's areas of operation.* (3) *To reduce drug abuse in the project's areas of operation from the pre-project implementation levels.* (4) *To make available information and data on cultivation, geographical distribution and production of illicit drugs (opium, heroin and hashish) and the prevalence of drug addiction in the areas of project operation*".

Survey Objectives

The Baseline Survey in Helmand was initiated to collect and analyse data on the status of illicit crop cultivation and drug abuse in conjunction with community needs for better targeting rehabilitation programmes. These programmes provide community support aimed at reducing and eventually eliminating illicit crop cultivation and at the creation of general awareness on drug abuse issues. Specific objectives of the survey were to obtain reliable and comprehensive data on: .

1) The extent of illicit crop cultivation, drug abuse and awareness of the problems associated with drug abuse.

2) Demographical information considered essential for planning rehabilitation programmes.

3) Major aspects of agriculture and irrigation in respect of practices and rehabilitation requirements.

4) Village infrastructure and rehabilitation priorities.

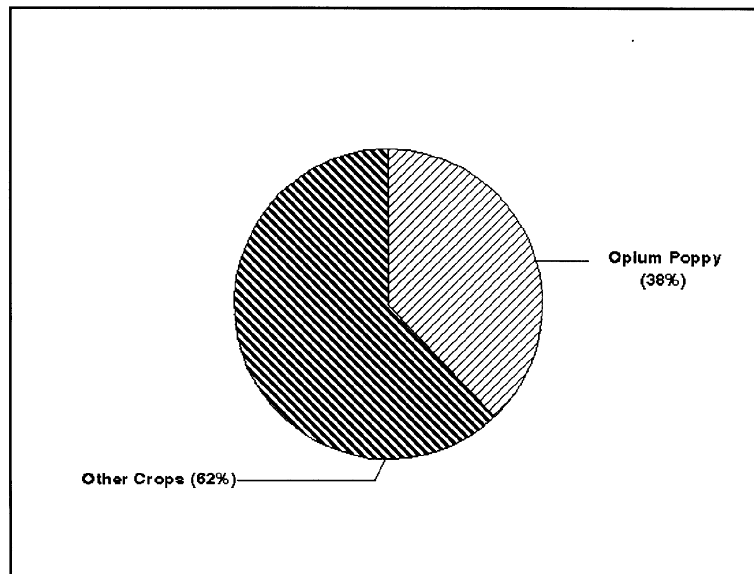


Figure 1:Percentage of land under opium poppy cultivation as compared to other crops in 9 districts surveyed.

Farmers in 88% of villages in the survey area when asked why they cultivated illicit crops stated higher income potential as being the main reason (Table 14).

Table 14: Main reasons for cultivating illicit crops in 9 districts surveyed.

No	District	Reasons by Villages									
		Tradition		High Income		No Alternative Business		Encouraged by Smugglers		Total	
		No	%	No	%	No	%	No	%	No	%
1	BAGHRAN	2	1	228	97	4	2	0	0	234	100
2	KAJAKI	0	0	162	98	0	0	3	2	165	100
3	MUSA QALA	0	0	144	100	0	0	0	0	144	100
4	NAD-E ALI	0	0	104	64	50	31	8	5	162	100
5	NAHR-E SARAJ	1	1	85	70	22	18	14	11	122	100
6	NAW ZAD	0	0	189	99	0	0	1	1	190	100
7	NAWA BARAKZAI	0	0	85	99	0	0	1	1	86	100
8	SARBAN QALA	2	4	10	21	34	72	1	2	47	100
9	WASHIR	0	0	56	89	7	11	0	0	63	100
	Total	5	0	1063	88	117	10	28	2	1213	100

Among the districts surveyed farmers in all villages in Musa Qala, in 189 out of 190 villages in Naw Zad (99%), in 85 out of 86 villages in Nawa Barakzai (99%), in 162 out of 165 villages in Kajaki (98%), in 228 out of 234 villages in Baghran (97%) and in 56 out of 63 villages in Washir (89%) stated they cultivated illicit crops in order to obtain a higher income. Only 72% in Sarban Qala, 31% in Nad-e Ali, 18% in Nahr-e Saraj and 11% of the villages in Washir traditionally cultivated illicit crops with the belief that there was no other alternative.

Opium Poppy Cultivation Inputs

The cost and quantity of inputs required for opium poppy cultivation was found to be high. Average seed rate was 1 kg/jerib which at Afs 542/kg amounting to a total cost of Afs 542/jerib[1]. Rate of seed applied was 1 kg/jerib in all districts costing Afs 952/kg in Nahr-e Saraj and Afs 340/kg in Kajaki. Cost of seed in Washir was higher at Afs 671/jerib followed by Afs 595 /jerib in Baghran. This difference in cost can be attributed to older seed varieties being used in Kajaki (Table 15).

Table 15: Seed and fertiliser inputs in opium poppy cultivation in 9 districts surveyed.

No	District	Seed			Fertiliser					
					DAP			UREA		
		Kg/ jerib	Cost/kg (Afs *)	Total Cost /jerib (Afs)	Kg/jerib	Cost/kg (Afs)	Total Cost /jerib (Afs)	Kg/jerib	Cost/kg (Afs)	Total Cost /jerib (Afs)
1	BAGHRAN	1	595	595	51	505	25755	100	466	46600
2	KAJAKI	1	340	340	36	504	18144	56	413	23128
3	MUSA QALA	1	514	514	70	499	34930	105	469	49245
4	NAD-E ALI	1	952	952	53	423	22419	102	311	31722
5	NAHR-E SARAJ	1	509	509	51	410	20910	80	338	27040
6	NAW ZAD	1	369	369	39	498	19422	51	502	25602
7	NAWA BARAKZAI	1	423	423	32	378	12096	51	331	16881
8	SARBAN QALA	1	501	501	50	445	22250	89	351	31239
9	WASHIR	1	671	671	49	453	22197	75	380	28500
	Average	1	542	542	48	457	21936	79	396	31284

* Afs 40 = Rs 1 = US $ .0333 official rate

An average 48 kg diammonium phosphate (DAP) per jerib costing Afs 457/kg equating to Afs 21,936 per jerib of fertiliser was applied in the surveyed districts. The highest application rate of DAP was 70 kg/jerib in Musa Qala and the lowest was 32 kg/jerib in Nawa Barakzai district.

[1]Seed rate was rounded down to the nearest decimal point.

The cost of DAP differed greatly from district to district ranging from Afs 378/kg in Nawa Barakzai to Afs 505/kg in Baghran. The cost of 1 kg DAP was also higher in Kajaki district at Afs 504/kg as compared to Musa Qala at Afs 499/kg, Naw Zad 498/kg and Washir at Afs 453/kg (Table 15).

The average rate of urea application in the survey area was 79 kg/jerib at a cost averaging Afs 396/kg and totalling Afs 31,284/jerib. The rate of application ranged from 51 kg/jerib in Nawa Barakzai and Naw Zad to 105 kg/jerib in Musa Qala. The lowest cost of urea was Afs. 311/kg in Nad-e Ali and the highest Afs. 502/kg in Naw Zad. The minimum total cost of urea per jerib was Afs. 16,881 in Nawa Barakzai and the maximum was Afs. 49,245 in Musa Qala. This difference in the application rate of urea /jerib can be attributed to soil fertility, availability of supplies and farming practices.

In general diammonium phosphate fertiliser was slightly more expensive in all the districts with the exception of Naw Zad where 1 kg of urea was Afs 502/kg and DAP Afs 498/kg. However there were no substantial differences in the cost of urea and DAP fertiliser and price variance could be attributed to the availability of market supply.

An average 116 man-days was required for the cultivation of one jerib of land at an average wage of Afs 2,812/man-day for weeding and Afs 8,854/man-day for sap collection which was marginally higher. Differences in weeding rates ranged from Afs 2,344/jerib in Nad-e Ali to Afs 3,151/jerib in Washir. Similiar rates prevailed in the other districts, Afs 3,045/jerib in Musa Qala, Afs 2,931/jerib in Naw Zad and Afs 2,913/jerib in Kajaki. Wages for sap collection ranged from Afs 6,704/jerib in Sarban Qala to Afs 14,347/jerib in Nawa Barakzai districts. Differences in the wages for sap collection varied per man-day between districts from Afs 9,317/jerib in Musa Qala to Afs 8,882/jerib in Naw Zad, Afs 8,855/jerib in Kajaki and Afs 8,683/jerib in Nad-e Ali (Table 16).

Table 16: Labour inputs in opium poppy cultivation in 9 districts surveyed.

No	District	Labour Inputs			Total man-days	Total Wage Afs /jerib
		Weeding Afs /man-day a	Sap Collection Afs /man-day b	Average Wage Afs /man-day (a+b)/2 c	d	c x d
1	BAGHRAN	2654	8069	5362	118	632716
2	KAJAKI	2913	8855	5884	97	570748
3	MUSA QALA	3045	9317	6181	107	661367
4	NAD-E ALI	2344	8683	5514	119	656166
5	NAHR-E SARAJ	2691	7139	4915	119	584885
6	NAW ZAD	2931	8882	5907	124	732468
7	NAWA BARAKZAI	2899	14347	8623	103	888169
8	SARBAN QALA	2683	6704	4694	128	600832
9	WASHIR	3151	7690	5421	125	677625
	Average	2812	8854	5833	116	676628

In general, labour was expensive in Nawa Barakzai and in Nad-e Ali districts where a limited area of land was under opium poppy cultivation as compared to other districts.

The average total wage earned in the production of opium poppy was Afs 676,628/jerib. The highest being Afs 888,169/jerib in Nawa Barakzai and the lowest Afs 570,748/jerib in Kajaki district. Average total wage per jerib was also higher at Afs 732,468 in Naw Zad, Afs 677,625 in Washir, Afs 661,367 in Musa Qala and Afs 656,166 in Nad-e Ali (Table.16).

Average total input costs including seed, fertiliser and wages per jerib of opium poppy cultivated was Afs 730,390 in the districts surveyed (Table 18). Highest total costs were Afs 917,569/jerib in Nawa Barakzai followed by Afs 777,861/jerib in Naw Zad. The lowest recorded was Afs 612,360/jerib in Kajaki. The total cost/jerib of Afs 728,993 in Washir and Afs 746,056 in Musa Qala did not deviate very much from average total cost (Table 18).

The total number man-days per jerib and wage rates per man-day were decisive factors in determining total costs. In general a maximum number of man-days has been reported in the districts of Naw Zad and Sarban Qala where opium poppy is cultivated on a relatively large scale. A difference in wage rates paid in the districts surveyed was also noted.

Marketing and Income Assessment of Opium

An average of 82% of farmers in the districts surveyed sold the opium they produced within their village. This percentage ranged from 45% in Sarban Qala to 100% in Naw Zad and Nawa Barakzai. It was higher in Kajaki at 98% followed by Nad-e Ali where it was slightly less at 97%. Sarban Qala was the only district where most of the farmers (55%) sold their opium outside the village (Table 17).

Table 17: Marketing of opium in 9 districts surveyed.

No	District	Farmers Selling Opium %	
		Within Village	Outside Village
1	BAGHRAN	91	9
2	KAJAKI	98	2
3	MUSA QALA	74	26
4	NAD-E ALI	97	3
5	NAHR-E SARAJ	68	32
6	NAW ZAD	100	0
7	NAWA BARAKZAI	100	0
8	SARBAN QALA	45	55
9	WASHIR	66	34
	Total	82	18

The data shows that the majority of farmers were not aware of market outlets existing outside their village.

The average price of raw opium was Afs 84,140/kg in the districts surveyed. The highest price paid per kg of raw opium was Afs 100,000/kg in Naw Zad while the lowest was Afs 71,606 in Kajaki district. The second highest price was Afs 97,674 in Nawa Barakzai followed by Afs 91,948 in Nad-e Ali (Table 18, Figure 3).

Table 18: Assessment of opium poppy income in 9 districts surveyed.

No	District	Average Price/kg (Afs)	Average Yield /jerib (Kg)	Total Gross Income /jerib (Afs)	Total Cost * /jerib (Afs)	Net Income /jerib (Afs)
1	BAGHRAN	75599	12	907188	705666	201522
2	KAJAKI	71606	11	787666	612360	175306
3	MUSA QALA	90313	12	1083756	746056	337700
4	NAD-E ALI	91948	16	1471168	711259	759909
5	NAHR-E SARAJ	79886	13	1038518	633344	405174
6	NAW ZAD	100000	10	1000000	777861	222139
7	NAWA BARAKZAI	97674	11	1074414	917569	156845
8	SARBAN QALA	75234	10	752340	654822	97518
9	WASHIR	75000	12	900000	728993	171007
	Average	84140	12	1009680	730390	279290

* labour and fertiliser inputs from Table 15,16

The average yield of opium in the districts surveyed amounted to 12 kg/jerib totalling a wet output of 2,031 metric tonnes or assuming a 30% reduction upon drying, 1,422 metric tonnes of dry opium in the survey area. Highest average yield was 16 kg/jerib in Nad-e Ali followed by 13 kg/jerib in Nahr-e Saraj and 12 kg in Baghran, Musa Qala and Washir. The districts of Kajaki and Nawa Barakzai recorded 11 kg/jerib (Table 18, Figure 2).

Average gross income from opium poppy in the survey area has been estimated at Afs 1,009,680/jerib (average net income of Afs 279,290/jerib). In Nad-e Ali gross income obtained was Afs 1,471,168/jerib (net Afs 759,909/jerib), in Musa Qala Afs 1,083,756/jerib (net Afs 337,700/jerib) and Nawa Barakzai Afs 1,074,414/jerib (net Afs 156,845/jerib). (Table 18,Figure 3).

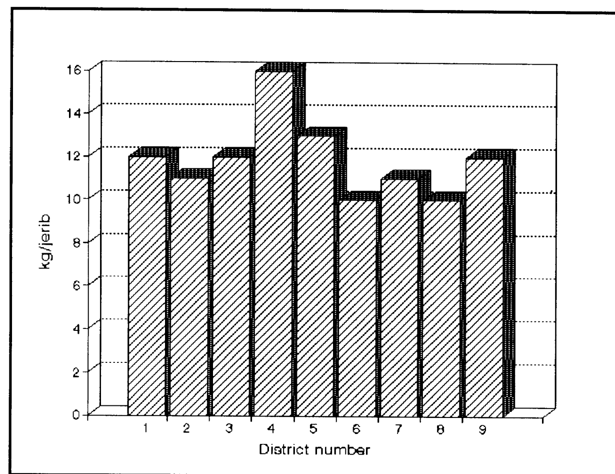


Figure 2:Average yield comparison of opium poppy among 9 districts surveyed

Among alternative crops wheat yields were higher than other cereals but the net income obtained from each crop was in many respects a determining factor in cultivation trends. The average yield of wheat was 445 kg/jerib, maize 399 kg/jerib and rice 306 kg/jerib. Opium poppy yield comparisons are not meaningful but are provided for other data analysis purposes (Table 19).

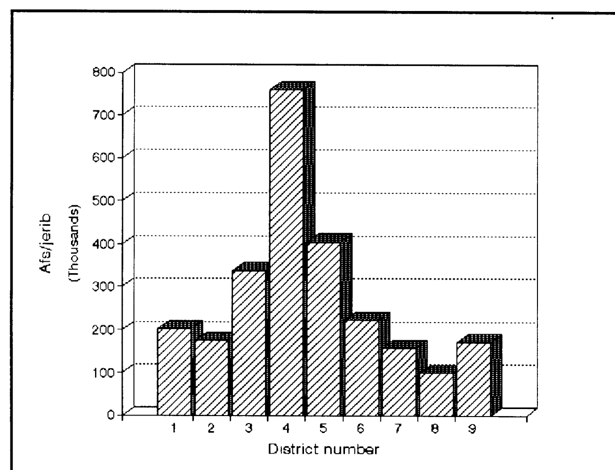


Figure 3:Net income comparison of opium among 9 districts surveyed

The average yield of wheat ranged from 322 kg/jerib in Naw Zad to 546 kg/jerib in Musa Qala. The average yield of maize ranged from 210 kg/jerib in Nad-e Ali to 609 kg/jerib in Nawa Barakzai district. The average yield of rice ranged from 266 kg/jerib in Baghran to 350 kg/jerib in Naw Zad.

Table 19: Average opium poppy yield ocompared to cereal crops in 9 districts surveyed.

No	District	Average Total Yield (Kg/Jerib)			
		Poppy	Wheat	Maize	Rice
1	BAGHRAN	12	329	224	266
2	KAJAKI	11	392	364	0
3	MUSA QALA	12	546	343	0
4	NAD-E ALI	16	378	210	301
5	NAHR-E SARAJ	13	518	539	0
6	NAW ZAD	10	322	322	350
7	NAWA BARAKZAI	11	532	609	0
8	SARBAN QALA	10	504	497	0
9	WASHIR	12	483	483	0
	Average	12	445	399	306

Attitudes Towards Opium Poppy

The production of drugs, trafficking and abuse were found to be interrelated issues. To obtain a better understanding of the relationship between supply and demand characteristics the Baseline Survey also concentrated on identifying the nature and categories of people involved with narcotics, people discouraging opium poppy cultivation and some idea of attitudes and intentions with regard to illicit crop cultivation, drug abuse and trafficking.

On this basis farmers were asked to list in order of importance the categories of persons involved in production, trafficking and drug abuse. The persons most involved in illicit crop cultivation were small land owners with the exception of Kajaki and Naw Zad where they tended to be large land owners and in Nahr-e Saraj and Sarban Qala businessmen (entrepreneurs). In all the districts large land owners ranked second with small land owners in Kajaki and Naw Zad. Third rank in drug production was occupied by high income earners in Nad-e Ali and Naw Zad and by the unemployed in Baghran and Musa Qala and by low income earners in Kajaki and Nawa Barakzai (Table 20).

In comparison with narcotics producers, traffickers were easily identified. In all the districts smugglers ranked first in narcotics trafficking. In the districts of Baghran, Nahr-e Saraj, Sarban Qala and Washir businessmen (entreprneurs) in Kajaki, Nad-e Ali and Nawa Barakzai prestigeous persons and in Musa Qala and Naw Zad unemployed persons were found to rank second. Businessmen involved in drug trafficking ranked third in Kajaki, Nad-e Ali, Naw Zad and Nawa Barakzai and unemployed in Baghran, Nahr-e Saraj, Sarban Qala and Washir districts (Table 20).

A small number of drug addicts were noted in some of the districts surveyed. Unemployed persons ranked first in all the districts with the exception of Baghran district. Second rank in drug use was occupied by small land owners in Nahr-e Saraj, Sarban Qala and Washir, by Businessmen in Nad-e Ali, by large land owners in Kajaki and by smugglers in Musa Qala and Nawa Barakzai. Large land owners ranked third as drug users in Baghran, Musa Qala, Naw Zad, Nawa Barakzai and Sarban Qala and low income earners in Nahr-e Saraj and Washir districts.

Illicit crop cultivation was unpopular among many farmers and certain categories of people even discouraged farmers from cultivating illicit crops. Among these Maulavis ranked first in all districts with the exception of Kajaki, Musa Qala, Naw Zad and Nawa Barakzai where they occupied second rank. Elders ranked first in Musa Qala, Kajaki and Naw Zad and Nawa Barakzai and second in other districts (Table 21). Maliks ranked third except in the districts of Baghran, Kajaki, Nad-e Ali, Nahr-e Saraj and Nawa Barakzai. The data shows that in order of importance the following categories of people had influence in discouraging farmers from cultivating illicit crops.

1)-Maulavis 3)-Maliks 5)-Traders
2)-Elders 4)-Teachers 6)-Commanders

Table 20: Ranking categories of persons involved in narcotics in 9 districts surveyed.

No	District	Categories	Producer									Trafficker									Drug User								
			No of Times Ranked								Weighted Rank	No of Times Ranked								Weighted Rank	No of Times Ranked								Weighted Rank
			1st	2nd	3rd	4th	5th	6th	7th	8th		1st	2nd	3rd	4th	5th	6th	7th	8th		1st	2nd	3rd	4th	5th	6th	7th	8th	
1	BAGHRAN	Small land owners	208	13	3	0	2	4	2	0	1	0	0	1	12	16	15	38	151	7	1	5	7	7	14	10	43	146	8
		Large land owners	11	169	42	5	1	4	1	0	2	0	3	29	47	70	62	16	6	5	1	5	79	56	38	26	14	14	3
		Low income earners	2	1	15	32	15	32	30	106	8	0	1	1	5	8	32	142	44	6	0	8	13	7	9	52	112	32	7
		High income earners	2	2	28	26	21	52	71	31	6	0	40	48	34	66	28	14	3	8	3	36	49	79	37	12	10	6	4
		Unemployed persons	3	39	94	38	18	10	13	18	3	0	18	58	25	37	64	19	12	3	104	96	13	8	2	3	7	0	2
		Businessmen	6	2	34	78	16	21	31	45	4	0	89	64	59	11	5	4	1	2	7	29	33	30	94	26	4	10	5
		Prestigeous persons	0	5	18	42	58	36	59	15	7	0	81	33	50	23	30	2	14	4	1	39	36	16	26	83	14	17	6
		Smugglers	0	1	0	12	102	72	28	17	5	233	0	0	0	0	0	0	0	1	117	14	3	30	17	17	27	8	1
2	KAJAKI	Small land owners	57	79	29	0	0	0	0	0	2	0	1	1	53	32	21	44	13	4	0	2	2	32	11	3	93	22	7
		Large land owners	108	52	4	1	0	0	0	0	1	0	0	9	30	84	39	1	2	5	0	78	15	8	30	23	10	1	2
		Low income earners	0	33	75	46	3	3	3	2	3	0	2	3	22	31	92	12	3	6	0	5	79	1	13	40	26	1	3
		High income earners	0	0	40	107	5	2	4	7	4	0	22	23	49	5	3	61	2	7	1	2	2	101	15	0	30	14	4
		Unemployed persons	0	1	12	5	14	8	75	50	7	0	42	24	3	2	9	22	63	8	153	12	0	0	0	0	0	0	1
		Businessmen	0	0	1	3	31	89	36	4	6	1	31	106	2	1	0	21	2	3	0	1	9	19	87	4	2	42	5
		Prestigeous persons	0	0	4	0	33	23	24	81	8	0	67	2	4	9	2	2	79	2	0	2	62	1	1	14	3	82	8
		Smugglers	0	0	0	3	80	38	23	21	5	162	0	0	1	0	1	0	0	1	11	63	1	3	2	80	1	4	6
3	MUSA QALA	Small land owners	137	7	0	0	0	0	0	0	1	0	0	0	0	0	3	56	85	7	0	0	0	0	1	4	44	90	7
		Large land owners	7	118	11	3	2	0	3	0	2	0	8	48	51	23	10	3	1	3	0	4	72	48	13	4	1	2	3
		Low income earners	0	4	5	16	29	17	43	30	7	0	2	27	2	10	34	56	13	6	0	1	0	0	2	47	77	17	6
		High income earners	0	2	10	20	36	35	15	26	5	0	31	32	31	25	18	4	2	4	1	7	36	69	28	3	0	0	4
		Unemployed persons	0	10	103	17	10	1	3	0	3	0	63	11	22	16	22	1	9	2	88	54	1	0	0	1	0	0	1
		Businessmen	0	2	12	13	30	21	24	29	8	0	37	17	20	17	10	13	17	8	0	2	28	21	34	18	16	11	8
		Prestigeous persons	0	0	0	2	5	54	45	38	6	0	3	9	18	54	46	13	1	5	0	0	1	3	63	66	6	5	5
		Smugglers	1	0	4	72	34	16	11	6	4	144	0	0	0	0	0	0	0	1	55	77	6	4	2	0	0	0	2
4	NAD-E ALI	Small land owners	116	13	3	7	15	9	4	2	1	0	2	1	8	20	60	33	44	6	10	5	6	12	29	21	35	45	7
		Large land owners	25	57	14	19	15	13	18	8	2	0	4	12	25	76	18	17	17	5	3	7	6	9	43	58	28	9	5
		Low income earners	1	11	12	3	23	42	41	36	7	0	1	2	9	13	33	77	33	7	17	8	10	29	22	20	28	30	8
		High income earners	3	18	53	16	19	26	18	16	3	0	3	17	70	37	16	18	8	4	13	19	23	34	13	20	40	1	4
		Unemployed persons	0	22	20	16	17	44	40	10	6	0	1	27	24	10	34	20	53	8	69	36	28	20	5	5	1	0	1
		Businessmen	10	9	28	43	29	20	18	12	5	0	25	98	20	11	7	2	6	3	26	53	44	24	11	4	2	0	2
		Prestigeous persons	11	32	26	50	42	4	3	1	4	1	133	11	13	2	1	2	6	2	13	10	34	19	16	8	3	60	3
		Smugglers	3	7	13	15	10	9	28	83	8	168	0	1	0	0	0	0	0	1	15	25	14	17	26	25	25	17	6
5	NAHR-E SARAJ	Small land owners	12	1	8	8	29	41	18	8	6	1	1	0	30	18	29	28	17	7	9	67	13	9	10	2	4	7	2
		Large land owners	33	67	11	4	5	3	1	1	2	0	1	8	40	30	31	13	2	4	2	9	36	26	11	7	5	25	4
		Low income earners	4	4	9	11	21	36	32	8	7	0	0	7	8	28	45	31	6	6	0	18	50	31	5	6	7	4	3
		High income earners	24	20	43	27	5	1	4	0	3	1	2	4	28	31	11	37	11	5	2	14	6	17	49	3	22	8	5
		Unemployed persons	0	0	5	2	11	16	16	75	8	4	20	81	4	4	2	3	7	3	106	0	3	4	3	3	1	1	1
		Businessmen	50	22	16	11	5	5	8	7	1	8	90	20	1	1	1	2	1	2	1	5	2	5	10	47	15	34	6
		Prestigeous persons	2	6	26	48	12	13	13	5	4	0	4	7	13	8	8	7	78	8	1	0	9	6	21	16	53	15	7
		Smugglers	2	4	7	15	36	9	33	19	5	110	9	2	1	1	0	1	0	1	1	9	1	24	11	37	12	26	8

Table 20: Ranking categories of persons involved in narcotics in 9 districts surveyed (continued).

No	District	Categories	Producer									Trafficker									Drug User								
			No of Times Ranked								Weighted Rank	No of Times Ranked								Weighted Rank	No of Times Ranked								Weighted Rank
			1st	2nd	3rd	4th	5th	6th	7th	8th		1st	2nd	3rd	4th	5th	6th	7th	8th		1st	2nd	3rd	4th	5th	6th	7th	8th	
6	NAW ZAD	Small land owners	84	98	7	0	0	0	0	1	2	0	3	18	10	27	40	82	9	7	0	1	10	5	9	4	130	26	7
		Large land owners	96	42	28	24	0	0	0	0	1	0	0	16	30	71	56	13	3	5	0	2	113	16	10	15	28	3	3
		Low income earners	9	44	45	90	1	0	1	0	4	0	2	34	31	59	51	13	0	6	0	123	12	6	14	27	3	2	2
		High income earners	1	5	85	74	24	1	0	0	3	0	33	39	88	9	4	17	0	4	0	2	7	56	52	66	2	2	5
		Unemployed persons	0	0	16	1	53	20	23	77	8	1	78	12	7	14	28	17	33	2	187	0	0	0	0	0	0	0	1
		Businessmen	0	1	8	0	61	58	56	6	5	1	17	74	22	6	5	45	19	3	0	3	1	80	43	30	10	20	4
		Prestigeous persons	0	0	0	1	28	50	88	23	7	0	58	0	1	1	3	1	126	8	0	1	45	1	43	1	9	87	8
		Smugglers	0	0	1	1	23	62	22	81	6	190	0	0	0	0	0	0	0	1	0	55	1	19	11	44	7	50	6
7	NAWA BARAKZAI	Small land owners	43	40	1	0	0	0	1	0	1	0	0	4	25	0	26	29	1	6	0	0	3	9	1	2	59	11	7
		Large land owners	41	22	19	3	0	0	0	0	2	0	0	3	17	45	19	0	1	5	0	2	39	3	12	19	10	0	3
		Low income earners	1	21	29	29	2	2	1	0	3	0	3	8	12	31	25	6	0	8	0	39	2	3	22	17	2	0	6
		High income earners	0	1	31	50	3	0	0	0	4	0	3	17	27	4	9	25	0	4	0	2	5	53	11	5	8	1	4
		Unemployed persons	0	0	3	1	21	16	9	35	8	0	21	3	0	0	3	21	36	7	85	0	0	0	0	0	0	0	1
		Businessmen	0	0	0	1	10	31	40	3	6	0	11	51	5	4	5	3	6	3	0	1	2	12	30	10	4	26	5
		Prestigeous persons	0	0	3	0	28	8	16	30	5	0	45	0	0	0	0	1	39	2	0	0	36	1	0	0	3	45	8
		Smugglers	0	0	0	1	19	26	19	17	7	84	0	0	0	0	0	1	0	1	0	42	0	3	7	30	0	3	2
8	SARBAN QALA	Small land owners	5	3	2	1	4	11	17	3	7	0	1	0	8	3	11	9	14	7	23	13	6	1	4	0	0	0	2
		Large land owners	17	21	3	4	0	1	0	1	2	1	2	7	11	11	6	7	0	4	0	5	20	9	3	0	2	8	3
		Low income earners	0	0	1	0	9	19	14	4	6	0	1	1	6	5	13	18	3	6	0	8	16	14	7	0	2	0	4
		High income earners	0	4	9	14	13	5	2	0	4	1	2	5	10	13	5	8	3	5	0	8	3	12	13	5	5	1	5
		Unemployed persons	0	0	4	2	3	5	2	31	8	2	5	24	5	5	5	1	0	3	24	13	0	1	6	3	0	0	1
		Businessmen	24	8	6	6	0	1	0	1	1	1	32	7	2	2	0	1	1	2	0	0	0	2	9	21	9	6	6
		Prestigeous persons	1	4	18	11	3	1	6	3	3	1	2	1	4	8	6	0	25	8	0	0	0	1	6	9	25	6	7
		Smugglers	0	7	5	9	12	4	6	4	5	44	2	1	0	0	0	0	0	1	0	0	2	7	0	9	3	26	8
9	WASHIR	Small land owners	22	4	5	0	1	15	11	5	1	0	2	1	13	3	4	8	32	7	4	36	1	3	2	2	1	14	2
		Large land owners	20	27	14	1	0	1	0	0	2	0	10	4	15	12	5	16	1	4	11	9	10	3	3	4	12	11	8
		Low income earners	5	7	8	11	6	8	17	1	7	0	4	6	5	8	19	17	4	6	7	8	31	10	3	1	2	1	3
		High income earners	0	5	13	24	16	4	1	0	4	0	3	1	7	9	22	15	5	5	5	4	8	10	12	4	14	6	7
		Unemployed persons	1	4	2	7	10	14	4	21	6	0	6	24	7	13	9	2	2	3	31	1	7	9	3	10	2	0	1
		Businessmen	16	9	6	2	7	11	9	3	8	0	30	9	9	11	2	2	0	2	1	3	2	8	15	16	9	9	6
		Prestigeous persons	0	6	14	10	7	6	19	1	3	0	8	17	7	8	2	3	18	8	4	2	0	5	23	13	10	6	5
		Smugglers	0	1	1	8	16	3	2	32	5	63	0	0	0	0	0	0	0	1	1	0	2	17	4	16	13	10	4

Geographical Background

Helmand is located in the south-west of Afghanistan. It borders the provinces of Nimroz in the west, Ghore and Urozgan in the north, Qandahar in the east and Pakistan in the south.

Helmand province is comprised largly of flatland and has an area of 61,829 sq km and its total population is 640,165. Elevation from sea level is 700 to 800 m except in the hilly areas where this reaches approximately 1,000 m.

The climate of Helmand province makes it suitable for a number of field and horticultural crops. It has hot summers and mild winters.

Agriculture Background

Helmand is an agricultural province with a modern irrigation network constructed between the late 1950s and early 1970s. Karez and canal irrigation are the main systems of irrigation in the province. Karez irrigated farming systems are common in hilly areas in the north-east while major canal networks are located in the center and south of the province. The Helmand River flows through Lashkargah and irrigates the valley of Helmand province. A number of field, horticultural and cash crops are grown here. Helmand produces the best quality cotton in Afghanistan. A considerable proportion of land 169,263 (38%) jeribs was under opium poppy cultivation in 1994.

Helmand suffered severe damage and destruction during the prolonged war in Afghanistan. A total of 16,630 families have left the province for Pakistan, Iran and other countries. With the establishment of the Mujahideen government in 1992 many of the refugee families returned to their villages. Damage and destruction caused to the local economy including agriculture and irrigation systems, compounded by the lack of work opportunities in the rural areas of Helmand province, has adversely impacted on the repatriation process.

Table 21: Ranking of opium poppy cultivation discouragers in 9 districts surveyed.

No	District	Discouragers	No of Times Ranked						Weighted Rank
			1st	2nd	3rd	4th	5th	6th	
1	BAGHRAN	Maulavis	144	83	6	1	0	0	1
		Maliks	0	1	37	136	45	16	4
		Traders	0	0	0	14	115	106	5
		Commanders	18	18	49	30	47	73	6
		Elders	61	110	64	0	0	0	2
		Teachers	12	22	79	54	28	40	3
2	KAJAKI	Maulavis	40	113	11	0	0	0	2
		Maliks	2	0	17	140	6	0	4
		Traders	0	0	0	2	142	21	5
		Commanders	0	11	130	7	5	12	3
		Elders	124	40	1	0	0	0	1
		Teachers	0	0	6	15	12	131	6
3	MUSA QALA	Maulavis	59	77	8	0	0	0	2
		Maliks	0	2	50	32	21	39	3
		Traders	0	0	12	17	85	28	5
		Commanders	0	1	23	36	24	60	6
		Elders	84	57	3	0	0	0	1
		Teachers	1	7	49	62	15	7	4
4	NAD-E ALI	Maulavis	121	38	7	2	0	0	1
		Maliks	3	3	44	94	24	0	4
		Traders	0	0	0	5	53	95	6
		Commanders	2	2	16	30	72	45	5
		Elders	26	88	46	8	0	0	2
		Teachers	15	36	58	27	15	8	3
5	NAHR-E SARAJ	Maulavis	112	14	7	1	0	0	1
		Maliks	0	23	34	70	5	2	4
		Traders	0	0	3	9	63	58	5
		Commanders	0	19	3	12	53	47	6
		Elders	14	46	59	12	3	0	2
		Teachers	8	31	28	30	11	25	3
6	NAW ZAD	Maulavis	13	133	42	0	0	0	2
		Maliks	0	3	66	103	8	0	3
		Traders	0	0	0	4	118	46	5
		Commanders	25	27	62	55	2	9	4
		Elders	150	24	12	2	0	0	1
		Teachers	0	1	2	14	41	110	6
7	NAWA BARAKZAI	Maulavis	5	36	44	0	0	0	2
		Maliks	0	0	3	77	4	1	4
		Traders	0	0	0	1	73	11	5
		Commanders	10	35	36	2	2	0	3
		Elders	70	14	1	0	0	0	1
		Teachers	0	0	1	5	6	73	6
8	SARBAN QALA	Maulavis	47	0	0	0	0	0	1
		Maliks	0	4	23	15	5	0	3
		Traders	0	0	1	17	12	17	4
		Commanders	0	0	0	5	12	29	6
		Elders	0	31	14	2	0	0	2
		Teachers	0	12	9	8	18	0	5
9	WASHIR	Maulavis	63	0	0	0	0	0	1
		Maliks	0	3	28	26	6	0	3
		Traders	0	0	1	23	11	28	4
		Commanders	0	4	0	3	21	33	6
		Elders	0	36	26	0	1	0	2
		Teachers	0	20	8	13	22	0	5

Out of 4,258 and 2,747 people, (29%) and (19%) indicated a desire to continue cultivation, (23%) and (15%) wished reduction, (21%) and (42%) demanded complete eradication of opium poppy and hashish cultivation respectively. However, 28% and 25% people indicated that opium poppy and hashish should be substituted by another crop respectively in the districts surveyed (Table 22).

Out of 93 people (51%) in Sarban Qala, out of 150 (42%) in Washir, out of 366 (34%) in Nahr-e Saraj, out of 297 (29%) in Nawa Barakzai and approximately one quarter people in other districts wanted to continue opium poppy cultivation. Although hashish has not been widely cultivated, out of 353 (33%) people in Nahr-e Saraj, out of 151 (30%) in Sarban Qala, out of 618 (25%) in Nad-e Ali and out of 173 (24%) in Washir wanted to continue hashish cultivation.

Table 22: Community attitudes and intentions towards illicit crops in 9 districts surveyed.

No	District	In Favour of																			
		Continued Cultivation				Reduction in Cultivation				Complete Eradication				Crop Substitution				Total			
		Poppy		Hashish		Poppy		Hashish		Poppy		Hashish		Poppy		Hashish		Poppy		Hashish	
		No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%
1	BAGHRAN	233	28	95	18	203	24	94	18	167	20	234	45	233	28	97	19	836	100	520	100
2	KAJAKI	165	28	3	2	146	25	3	2	122	21	165	83	159	27	27	14	592	100	198	100
3	MUSA QALA	144	26	49	22	143	26	24	11	130	23	115	51	143	26	37	16	560	100	225	100
4	NAD-E ALI	167	25	155	25	165	25	154	25	161	24	155	25	168	25	154	25	661	100	618	100
5	NAHR-E SARAJ	123	34	117	33	60	16	54	15	76	21	106	30	107	29	76	22	366	100	353	100
6	NAW ZAD	189	27	7	2	180	26	8	2	151	21	185	51	183	26	161	45	703	100	361	100
7	NAWA BARAKZAI	85	29	1	1	61	21	0	0	66	22	85	57	85	29	62	42	297	100	148	100
8	SARBAN QALA	47	51	45	30	2	2	32	21	2	2	41	27	42	45	33	22	93	100	151	100
9	WASHIR	63	42	42	24	19	13	35	20	7	5	59	34	61	41	37	21	150	100	173	100
	Total	1216	29	514	19	979	23	404	15	882	21	1145	42	1181	28	684	25	4258	100	2747	100

There was also a considerable number of people who favoured reduction in illicit crop cultivation. Out of 703 people in Naw Zad (26%), out of 560 in Musa Qala (26%), out of 592 (25%) in Kajaki and out of 661 (25%) in Nad-e Ali were of this viewpoint. Reduction in hashish cultivation was favoured in Nad-e Ali where out of 618 people 25% were in favour but this was not the case in a number of other districts.

In Sarban Qala and Washir the idea of complete eradication of opium poppy was not favoured by the majority. In Nad-e Ali only 24% of people were in favour, 23% in Musa Qala, 22% in Nawa Barakzai and about 21% in other districts. In Kajaki, Sarban Qala, Musa Qala and Naw Zad the idea of complete eradication of hashish was favoured by the majority.

A considerable number of people were in favour of substituting opium poppy with a licit crop in all the districts which engaged in opium poppy cultivation. The number of people who wanted opium poppy to be substituted with another crop was highest in Sarban Qala followed by Washir, Nahr-e Saraj, Nawa Barakzai, Baghran and Kajaki. Of the 361 people in Naw Zad and 148 in Nawa Barakzai 45% and 42% respectively stated they would like to see hashish substituted by a licit crop.

Prevalence of Drug Abuse among Districts Population

A total number a total number of 1,100 addicts were identified in the surveyed districts[1]. Their number ranged from 10 in baghran to 359 in naw zad district. The total number of addicts in nahr-e saraj district was 189, in musa qala 177, in nawa barakzai 156, in kajaki 64 and in sarban qala and washir 31 each (table 23).

In the district of baghran there were 3 addicts in the age group 11 to 20 years who became addicted in their village. In the age group 21 to 30 years there were 7 addicts of whom 5 became addicted in their village and 2 in the cities. No addicts were identified in other age groups. The average duration of addiction was higher for the relatively older groups, 5 years for age group 11 to 20 and 5 to 9 years for age group 31 to 40 most of whom became addicted in their village.

In the district of kajaki there were 33 addicts in the age group 11 to 20 years, 28 in the age group 21 to 30 years and 3 in the age group 31 to 40 years who became addicted in their village. The average duration of addiction was higher for the relatively older groups, 2 years for age group 11 to 20, 4 years for age group 21 to 30 and 5 years for age group 31 to 40 most of them became addicted in their village.

In the district of musa qala there were 40 addicts in the age group 11 to 20 years, 83 in the age group 21 to 30 years and 54 in the age group 31 to 40 years who became addicted in their village. The average duration of addiction was higher for the relatively older groups, 7 years for age group 31 to 40 and 5 years for other age groups most of whom became addicted in their village.

In the district of nad-e ali there were 41 addicts in the age group 11 to 20 years of whom 35 became addicted in their village and 6 in the cities. In the age group 21 to 30 years there were 34 addicts of whom 24 became addicted in their village, 7 in the cities and 3 in the refugee camps. In the age group 31 to 40 years there were 7 addicts of whom 5 became addicted in the cities and 2 in the refugee camps. No addicts were identified in other age groups. The average duration of addiction was higher for the relatively older groups, 20 years for age group 41 to 50 and 2 to 6 years for other age groups most of whom became addicted in their village.

[1]This includes women and children in addition to men.

Table 23: Number of addicts,age groups, location and duration of addiction in 9 districts surveyed.

No	District	Place	No of Addicts by age					Average years addiction by age group					Total Addicts
			11-20	21-30	31-40	41-50	51/above	11-20	21-30	31-40	41-50	51/above	
1	BAGHRAN	City	0	2	0	0	0	0	5	0	0	0	2
		Village	3	5	0	0	0	5	9	0	0	0	8
		Refugee camp	0	0	0	0	0	0	0	0	0	0	0
		Sub Total	3	7	0	0	0						10
2	KAJAKI	City	0	0	0	0	0	0	0	0	0	0	0
		Village	33	28	3	0	0	2	4	5	0	0	64
		Refugee camp	0	0	0	0	0	0	0	0	0	0	0
		Sub Total	33	28	3	0	0						64
3	MUSA QALA	City	0	0	0	0	0	0	0	0	0	0	0
		Village	40	83	54	0	0	5	5	7	0	0	177
		Refugee camp	0	0	0	0	0	0	0	0	0	0	0
		Sub Total	40	83	54	0	0						177
4	NAD-E ALI	City	6	7	5	1	0	2	9	0	20	0	19
		Village	35	24	0	0	0	2	5	0	0	0	59
		Refugee camp	0	3	2	0	0	0	3	6	0	0	5
		Sub Total	41	34	7	1	0						83
5	NAHR-E SARAJ	City	4	107	9	0	0	1	3	0	0	0	120
		Village	4	25	31	4	2	2	3	8	21	5	66
		Refugee camp	0	3	0	0	0	0	4	0	0	0	3
		Sub Total	8	135	40	4	2						189
6	NAW ZAD	City	0	5	0	0	0	0	5	0	0	0	5
		Village	102	227	24	0	1	2	2	4	0	20	354
		Refugee camp	0	0	0	0	0	0	0	0	0	0	0
		Sub Total	102	232	24	0	1						359
7	NAWA BARAKZAI	City	0	3	0	0	0	0	3	0	0	0	3
		Village	38	92	18	1	4	2	2	3	9	9	153
		Refugee camp	0	0	0	0	0	0	0	0	0	0	0
		Sub Total	38	95	18	1	4						156
8	SARBAN QALA	City	0	12	0	0	0	0	2	0	0	0	12
		Village	2	14	1	0	0	2	1	24	0	0	17
		Refugee camp	2	0	0	0	0	4	0	0	0	0	2
		Sub Total	4	26	1	0	0						31
9	WASHIR	City	0	19	0	0	0	0	3	0	0	0	19
		Village	1	0	11	0	0	4	0	8	0	0	12
		Refugee camp	0	0	0	0	0	0	0	0	0	0	0
		Sub Total	1	19	11	0	0						31
		Total	270	659	158	6	7						1100

In the district of Nahr-e Saraj there were 8 addicts in the age group 11 to 20 years of whom 4 became addicted in their village and the same number in the cities. In the age group 21 to 30 years there were 135 addicts of whom 107 became addicted in the cities, 25 in the villages and

3 in the refugee camps. In the age group 31 to 40 years there were 40 addicts of whom 31 became addicted in their village and 9 in the cities. In the age group 41 to 50 years there were 4 addicts who became addicted in their village. In the age group 51 years and above there were 2 addicts who became addicted in their village. The average duration of addiction was higher for the relatively older groups, 21 years for age group 41 to 50,. 8 years for the age group 31 to 40 and 2 to 4 years for other age groups most of whom became addicted in cities.

In the district of Naw Zad there were 102 addicts in the age group 11 to 20 years who became addicted in their village. There were 232 addicts in the age group 21 to 30 years of whom 227 became addicted in their village and 5 in the cities. There were 24 addicts in the age group 31 to 40 years and 1 in the age group 51 years and above who became addicted in their village. The average duration of addiction was higher for the relatively older groups, 20 years for age group 51 years and above and 2 to 4 years for other age groups most of whom became addicted in their village.

In the district of Nawa Barakzai there were 38 addicts in the age group 11 to 20 years who became addicted in their village and 95 in the age group 21 to 30 years of whom 92 became addicted in their village and 3 in the cities. In the age group 31 to 40 years there were 18 addicts, in the age group 41 to 50 years 1 addict and in the age group 51 years and above 4 addicts all became addicted in their village. The average duration of addiction was higher for the relatively older groups, 9 years for age group 41 to 50 and 51 years and above and 2 to 3 years for other age groups most of whom became addicted in their village.

In the district of Sarban Qala there were 4 addicts in the age group 11 to 20 years of whom 2 became addicted in their village and the same number in the refugee camps. In the age group 21 to 30 years there were 26 addicts of whom 14 became addicted in their village and 12 in the refugee camps. In the age group 31 to 40 years there was 1 addict who became addicted in the village. The average duration of addiction was higher for the relatively older groups, 24 years for age group 31 to 40 years and 2 to 4 years for other age groups most of whom became addicted in their village.

In the district of Washir there was 1 addict in the age group 11 to 20 years and 11 in the age group 31 to 40 years who became addicted in their village. In the age group 21 to 30 years there were 19 addicts who became addicted in the cities. The average duration of addiction was higher for the relatively older groups, 8 years for age group 31 to 40 and 3 to 4 years for other age groups most of whom became addicted in the cities.

TYPE OF DRUG ABUSE

Main drugs used in the villages were hashish and opium. Opium was common in only 3 and hashish in 285 (23%) of these villages. Heroin was not used in any of the villages surveyed (Table 24).

People in 2 out of 136 villages in Nahr-e Saraj and 1 out of 86 villages in Nawa Barakzai used opium. People in villages of other districts did not use opium. However, in 75 out of 144

villages in Musa Qala (52%), 32 out of 86 villages in Nawa Bȧrakzai (37%), 65 out of 190 villages in Naw Zad (34%) and 42 out of 136 villages in Nahr-e Saraj (31%) hashish was used.

Table 24: Illicit drugs used in villages of 9 districts surveyed.

No	District	Illicit Drug Use by Number of Villages																
		Opium				Hashish				Heroin				Other				Total
		Yes		No		Yes		No		Yes		No		Yes		No		No
		No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%	
1	BAGHRAN	0	0	235	100	8	3	227	97	0	0	235	100	0	0	235	100	235
2	KAJAKI	0	0	165	100	20	12	145	88	0	0	165	100	0	0	165	100	165
3	MUSA QALA	0	0	144	100	75	52	69	48	0	0	144	100	0	0	144	100	144
4	NAD-E ALI	0	0	170	100	31	18	139	82	0	0	170	100	0	0	170	100	170
5	NAHR-E SARAJ	2	1	134	99	42	31	94	69	0	0	136	100	0	0	136	100	136
6	NAW ZAD	0	0	190	100	65	34	125	66	0	0	190	100	0	0	190	100	190
7	NAWA BARAKZAI	1	1	85	99	32	37	54	63	0	0	86	100	0	0	86	100	86
8	SARBAN QALA	0	0	47	100	5	11	42	89	0	0	47	100	0	0	47	100	47
9	WASHIR	0	0	63	100	7	11	56	89	0	0	63	100	0	0	63	100	63
	Total	3	0	1233	100	285	23	951	77	0	0	1236	100	0	0	1236	100	1236

Drug Abuse Awareness

Although many addicts were identified in the survey area it was noted that village communities were well aware of the problems associated with drug abuse with the exception of twelve villages in Nad-e Ali, three in Baghran, two in Nawa Barakzai and one in Nahr-e Saraj, Naw Zad and Washir districts (Table.25).

Table 25: Drug abuse awareness in 9 districts surveyed.

No	District	Awareness by Village				
		Yes		No		Total
		No	%	No	%	No
1	BAGHRAN	232	99	3	1	235
2	KAJAKI	165	100	0	0	165
3	MUSA QALA	144	100	0	0	144
4	NAD-E ALI	158	93	12	7	170
5	NAHR-E SARAJ	135	99	1	1	136
6	NAW ZAD	189	99	1	1	190
7	NAWA BARAKZAI	84	98	2	2	86
8	SARBAN QALA	47	100	0	0	47
9	WASHIR	62	98	1	2	63
	Total	1216	98	20	2	1236

The damage to rural infrastructure, the large number of refugees repatriating to their villages and their struggle to re-establish themselves were found to be influencing factors in the cultivation of opium poppy in the villages covered by the survey. Since most of the addicts were identified as having become addicted in their home villages opium poppy cultivation is perceived as a threat to village communities.

VILLAGE INFRASTRUCTURE

Village infrastructural needs including housing and village access roads are covered under this section. Assisting agencies are also included.

HOUSING INFRASTRUCTURE

In 88% of houses in the areas surveyed walls were found to be of mud construction. Only 9% were found to be made of stone and 3% of brick. (Table 26).

Nearly all house walls in Baghran and Kajaki were found to be constructed from mud. Percentages in other districts ranged from 97% in Musa Qala and Washir, to 92% in Nahr-e saraj, 83% in Sarban Qala, 75% in Nawa Barakzai, 74% in Naw Zad and 71% in Nad-e Ali (Table 26).

Table 26: Housing construction pattern in 9 districts surveyed.

No	District	Wall				Roof			Roof Shape		
		Mud %	Brick %	Oven Fired Brick %	Stone %	Wooden %	Concrete Beam %	Metal Sheet %	Flat %	Curved %	Tent Shaped %
1	BAGHRAN	99	1	0	0	100	0	0	97	2	1
2	KAJAKI	99	1	0	0	100	0	0	11	89	0
3	MUSA QALA	97	3	0	0	100	0	0	14	86	0
4	NAD-E ALI	71	28	0	0	100	0	0	95	5	0
5	NAHR-E SARAJ	92	7	1	0	100	0	0	49	51	0
6	NAW ZAD	74	7	0	19	100	0	0	45	55	0
7	NAWA BARAKZAI	75	24	0	0	100	0	0	77	20	3
8	SARBAN QALA	83	17	0	0	100	0	0	49	51	0
9	WASHIR	97	3	0	0	100	0	0	41	59	0
	Total	88	9	0	3	100	0	0	56	43	0

All house roofs were contructed using wooden beams. 97% House roofs in Baghran, 95% in Nad-e Ali, 77% in Nawa Barakzai and approximately half in Nahr-e Saraj and Sarban Qala were flat while 89% in Kajaki, 86% in Musa Qala, 59% in Washir and 55% in Naw Zad were curved designs.

ROADS INFRASTRUCTURE

Almost all village access roads were free of mines with the exception of Washir, Nahr-e Saraj, Musa Qala, Kajaki and Baghran districts where 11%, 10%, 9%, 4% and 3% respectively still required demining (Table 27).

The general condition of most village access roads was found to be poor. In Baghran district 412 village access roads were passable only in the dry season as they required draining, leveling and surfacing before they could be considered as passable all weather surfaces. 419 of these required widening, 399 bridge construction works, 13 demining and 2 side ditching (Table 28).

In Kajaki district 297 village access roads required leveling and surfacing works to be carried out, 257 these required widening, 283 bridge construction and 11 demining.

In Musa Qala district 129 village access roads required leveling, 126 surfacing, 26 widening, 129 bridge construction and 1 demining. Side ditching was not identified as a requirement.

In Nad-e Ali district 397 village access roads required leveling, 391 surfacing, 3 widening, 381 bridge construction, 36 demining and 1 side ditching.

In Nahr-e Saraj district 112 village access roads required leveling, 78 surfacing, 16 widening, 87 bridge construction, 12 demining and 1 side ditching.

In Naw Zad district 347 village access roads required leveling, 346 surfacing, widening and bridge construction, 3 demining and 3 side ditching.

In Nawa Barakzai district 165 village access roads required leveling and surfacing, 28 widening, 74 bridge construction and 1 demining and side ditching.

In Sarban Qala district 24 village access roads required leveling, 6 surfacing, 1 widening and 19 bridge construction.

In Washir district 55 village access roads required leveling, 5 surfacing, 1 widening, 55 bridge construction and 6 demining.

Table 27: Mining of village access roads in 9 districts surveyed.

No	District	Roads Mined				
		Yes		No		Total
		No	%	No	%	No
1	BAGHRAN	13	3	425	97	438
2	KAJAKI	11	4	299	96	310
3	MUSA QALA	1	1	142	99	143
4	NAD-E ALI	36	9	371	91	407
5	NAHR-E SARAJ	12	10	113	90	125
6	NAW ZAD	3	1	348	99	351
7	NAWA BARAKZAI	1	1	167	99	168
8	SARBAN QALA	0	0	25	100	25
9	WASHIR	6	11	50	89	56
	Total	83	4	1940	96	2023

Table 28: Rehabilitation of village access roads in 9 districts surveyed.

No	District	Rehabilitation Needs of Village Access Roads						
		Leveling	Graveling	Widening	Bridge Construction	Demining	Side Ditching	Total
1	BAGHRAN	412	409	419	399	13	2	1654
2	KAJAKI	297	297	257	283	11	0	1145
3	MUSA QALA	129	126	26	129	1	0	411
4	NAD-E ALI	397	391	3	381	36	1	1209
5	NAHR-E SARAJ	112	78	16	87	12	1	306
6	NAW ZAD	347	346	346	346	3	3	1391
7	NAWA BARAKZAI	165	165	28	74	1	1	434
8	SARBAN QALA	24	6	1	19	0	0	50
9	WASHIR	55	5	1	55	6	0	122
	Total	1938	1823	1097	1773	83	8	6722

Rehabilitation Needs

Village infrastructure including houses, schools, mosques and clinics received heavy damage during the prolonged war. In Baghran district 14% of clinics, 12% of mosques, 10% of schools and 5% of the houses were destroyed.

In Kajaki district all schools, 46% of mosques and 23% of the houses were destroyed (Table 29).

In Musa Qala district all schools and clinics, 37% of mosques and 22% of the houses were destroyed.

In Nad-e Ali district almost all clinics and schools, 40% of houses and 35% of the mosques were destroyed.

In Nahr-e Saraj district almost all schools, 54% of mosques, 50% of clinics and 47% of the houses were destroyed.

In Naw Zad district 95% of schools, 63% of mosques and 28% of the houses were destroyed.

In Nawa Barakzai district all schools, 61% of mosques and 53% of the houses were destroyed.

In Sarban Qala district all schools, 39% of mosques and 29% of the houses were destroyed.

In Washir district all clinics, 39% of houses, 38% of mosques and 30% of the schools were destroyed.

Table 29: Village infrastructure and rehabilitation needs in 9 districts surveyed.

No	District	Village Infrastructure	Number Destroyed	Number Not Destroyed	Destruction %	Reconstruction Number of Times Ranked				Priority
						1st	2nd	3rd	4th	
1	BAGHRAN	Houses	687	12738	5	4	3	75	153	4
		Schools	10	93	10	24	153	52	6	2
		Mosques	60	444	12	14	46	100	75	3
		Clinics	1	6	14	194	32	8	1	1
2	KAJAKI	Houses	2445	8143	23	10	127	13	15	2
		Schools	12	0	100	6	22	136	1	3
		Mosques	240	279	46	132	10	11	12	1
		Clinics	0	0	0	17	6	5	136	4
3	MUSA QALA	Houses	2282	8024	22	12	20	68	44	3
		Schools	38	0	100	3	34	36	71	4
		Mosques	212	354	37	17	66	33	28	2
		Clinics	5	0	100	112	24	7	1	1
4	NAD-E ALI	Houses	5927	8783	40	52	24	26	40	4
		Schools	143	1	99	40	65	52	11	2
		Mosques	208	394	35	58	40	15	25	1
		Clinics	4	0	100	19	37	45	53	3
5	NAHR-E SARAJ	Houses	4471	5133	47	10	32	41	53	4
		Schools	85	1	99	93	24	12	7	1
		Mosques	313	262	54	28	73	23	12	2
		Clinics	2	2	50	5	7	61	63	3
6	NAW ZAD	Houses	3603	9043	28	85	95	10	0	2
		Schools	19	1	95	7	32	130	19	3
		Mosques	281	165	63	98	62	26	3	1
		Clinics	0	0	0	0	0	22	164	4
7	NAWA BARAKZAI	Houses	2695	2372	53	10	62	11	3	2
		Schools	12	0	100	5	16	64	1	3
		Mosques	189	123	61	71	7	6	2	1
		Clinics	0	0	0	0	1	5	80	4
8	SARBAN QALA	Houses	980	2430	29	9	15	10	12	4
		Schools	45	0	100	36	11	0	0	1
		Mosques	99	155	39	2	20	22	2	2
		Clinics	0	0	0	0	1	14	32	3
9	WASHIR	Houses	1610	2536	39	4	6	30	23	3
		Schools	3	5	38	45	12	3	3	1
		Mosques	37	85	30	2	9	16	36	4
		Clinics	2	0	100	12	36	13	2	2
	Total		26720	61572	30					

The destruction of schools and clinics was generally higher than that of mosques and houses. First priority was given in many districts to the reconstruction of mosques with the exception of Nahr-e Saraj, Sarban Qala and Washir districts where first priority was placed on the reconstruction of schools and in Kajaki, Naw Zad and Nawa Barakzai, on clinics in Nad-e Ali, Nahr-e Saraj, Sarban Qala and on houses in Musa Qala and Washir. Third priority was placed on the reconstruction of clinics in Nad-e Ali, Nahr-e Saraj and Sarban Qala.

Description of Survey Area

The Baseline Survey was carried out in nine out of thirteen districts in Helmand province where the cultivation of opium poppy was known to take place. These included Baghran, Kajaki, Musa Qala, Nad-e Ali, Nahr-e Saraj, Naw Zad, Nawa Barakzai, Sarban Qala and Washir (Table 1)[1].

Table 1: Villages surveyed and number of farmers interviewed in 9 districts.

No	District	Villages Surveyed No	Farmers Interviewed No
1	BAGHRAN	235	1563
2	KAJAKI	165	1128
3	MUSA QALA	144	851
4	NAD-E ALI	170	1603
5	NAHR-E SARAJ	136	1006
6	NAW ZAD	190	1491
7	NAWA BARAKZAI	86	626
8	SARBAN QALA	47	374
9	WASHIR	63	482
	Total	1236	9124

[1]Provincial Gazetteer of Afghanistan, Volume I, Peshawar, 1993.

In order of importance, the reconstruction priorities relating to village infrastructure can be presented as follows:

1) - Mosques, 2) - Schools, 3) - Clinics, 4) - Houses

ASSISTING AGENCIES

Nineteen NGOs were working in the villages covered under the survey. Their main programmes included agriculture, irrigation, veterinary medicine, health-education and construction. (Annex 5)

ANNEX 4
Survey District Maps

Opium poppy cultivation by village in Helmand province, 1994.

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yleld	
							kg /jerib	Total kgs
1003	BAGHRAN	ALASHO		160.00	80.00	50.00	12.00	960
1004	BAGHRAN	ANARAK		100.00	60.00	60.00	11.00	660
1005	BAGHRAN	ANAY		300.00	150.00	50.00	12.00	1800
1006	BAGHRAN	ANJOMAN		600.00	320.00	53.33	11.00	3520
1007	BAGHRAN	ARNAY		200.00	100.00	50.00	15.00	1500
1009	BAGHRAN	ATANA		250.00	150.00	60.00	12.00	1800
1011	BAGHRAN	BABA ZANGEE		100.00	60.00	60.00	12.00	720
1010	BAGHRAN	BABAJI		250.00	150.00	60.00	12.00	1800
1012	BAGHRAN	BACHBAND		50.00	8.00	16.00	15.00	120
1016	BAGHRAN	BAGH JOI		200.00	150.00	75.00	15.00	2250
1014	BAGHRAN	BAGHAL		150.00	80.00	53.33	13.00	1040
1013	BAGHRAN	BAGHAL KALAY		80.00	50.00	62.50	13.00	650
1015	BAGHRAN	BAGHGODARA		60.00	30.00	50.00	12.00	360
1023	BAGHRAN	BAGHNA	BATEL	30.00	10.00	33.33	9.00	90
1039	BAGHRAN	BAGHNA	BEBE GERYAN	100.00	60.00	60.00	12.00	720
1030	BAGHRAN	BAGHNA	CHINAR	225.00	180.00	80.00	12.00	2160
1027	BAGHRAN	BAGHNA	DAEH YAK	250.00	150.00	60.00	11.00	1650
1020	BAGHRAN	BAGHNA	GUL KHANA	200.00	150.00	75.00	14.00	2100
1022	BAGHRAN	BAGHNA	HASAD	400.00	250.00	62.50	12.00	3000
1025	BAGHRAN	BAGHNA	JARI SHIRYAK	100.00	70.00	70.00	12.00	840
1188	BAGHRAN	BAGHNA	KAJKAR	60.00	40.00	66.67	12.00	480
1021	BAGHRAN	BAGHNA	KAPAR KOH	300.00	200.00	66.67	12.00	2400
1036	BAGHRAN	BAGHNA	KELAK	200.00	120.00	60.00	12.00	1440
1026	BAGHRAN	BAGHNA	KHOSHKAK	40.00	20.00	50.00	9.00	180
1017	BAGHRAN	BAGHNA	LAYWANYAN	250.00	150.00	60.00	12.00	1800
1037	BAGHRAN	BAGHNA	MANU	400.00	250.00	62.50	12.00	3000
1024	BAGHRAN	BAGHNA	PASAW	50.00	30.00	60.00	9.00	270
1032	BAGHRAN	BAGHNA	RAYA	120.00	80.00	66.67	12.00	960
1029	BAGHRAN	BAGHNA	SAWAY	300.00	200.00	66.67	11.00	2200
1028	BAGHRAN	BAGHNA	SHAH GHOMBOR	200.00	140.00	70.00	12.00	1680
1038	BAGHRAN	BAGHNA	SURNAY	300.00	180.00	60.00	13.00	2340
1034	BAGHRAN	BAGHNA	TANGAY	120.00	90.00	75.00	13.00	1170
1018	BAGHRAN	BAGHNA	WAKARCHI	400.00	300.00	75.00	14.00	4200
1035	BAGHRAN	BAGHNA	WONAY	400.00	300.00	75.00	13.00	3900
1019	BAGHRAN	BAGHNA	YASIN DIWANA	300.00	200.00	66.67	12.00	2400
1033	BAGHRAN	BAGHNY	LAWARNAY	100.00	60.00	60.00	12.00	720
1031	BAGHRAN	BAGHNY	SARE BAZ	300.00	200.00	66.67	9.00	1800
1040	BAGHRAN	BAHARI QOL		160.00	12.00	7.50	8.00	96
1041	BAGHRAN	BALUCHI KALAY		150.00	90.00	60.00	15.00	1350
1042	BAGHRAN	BARGHANA JOY		100.00	60.00	60.00	12.00	720
1043	BAGHRAN	BAZGIRA	AOW PAS	240.00	140.00	58.33	16.00	2240
1044	BAGHRAN	BELAND JOY		50.00	25.00	50.00	11.00	275
1045	BAGHRAN	BERENJAKA		60.00	35.00	58.33	15.00	525
1046	BAGHRAN	BURJ		100.00	70.00	70.00	12.00	840
1047	BAGHRAN	BURS		160.00	90.00	56.25	10.00	900
1048	BAGHRAN	BUT KHAR		170.00	11.00	6.47	8.00	88
1049	BAGHRAN	CHAHARTU		100.00	60.00	60.00	12.00	720
1050	BAGHRAN	CHAMAN		200.00	110.00	55.00	15.00	1650
1052	BAGHRAN	CHASHMA KAK		60.00	30.00	50.00	11.00	330
1051	BAGHRAN	CHASHMA SAYED		40.00	25.00	62.50	12.00	300
1053	BAGHRAN	CHEHELGAZI		40.00	30.00	75.00	12.00	360
1054	BAGHRAN	CHEYA		100.00	60.00	60.00	13.00	780
1055	BAGHRAN	DAHANE BARS		80.00	50.00	62.50	16.00	800

Opium poppy cultivation by village in Helmand province, 1994.

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Total kgs
1056	BAGHRAN	DAHANE TAKHT		200.00	120.00	60.00	15.00	1800
1057	BAGHRAN	DALA KAN		140.00	90.00	64.29	15.00	1350
1060	BAGHRAN	DARA	DU RODAY	220.00	0.00	0.00	0.00	0
1059	BAGHRAN	DARA	HOKOMATI	500.00	300.00	60.00	10.00	3000
1058	BAGHRAN	DARA	MORGHA	100.00	60.00	60.00	12.00	720
1062	BAGHRAN	DARWESHAN		50.00	30.00	60.00	10.00	300
1061	BAGHRAN	DASHT		40.00	20.00	50.00	12.00	240
1063	BAGHRAN	DASHTAK		120.00	70.00	58.33	15.00	1050
1173	BAGHRAN	DASHTAY KALAY	CHINAR KALAY	160.00	90.00	56.25	12.00	1080
1175	BAGHRAN	DASHTY	KHALAMAT	150.00	0.00	0.00	0.00	0
1172	BAGHRAN	DASHTY	KHUSHK AAB	80.00	50.00	62.50	15.00	750
1176	BAGHRAN	DASHTY	QARRA KALAY	220.00	120.00	54.55	12.00	1440
1174	BAGHRAN	DASHTY	SANGINAK	200.00	120.00	60.00	12.00	1440
1065	BAGHRAN	DEPSANG		150.00	100.00	66.67	15.00	1500
1064	BAGHRAN	DEWALAK		160.00	80.00	50.00	10.00	800
1066	BAGHRAN	DOSANG		60.00	35.00	58.33	9.00	315
1067	BAGHRAN	DUGANA KALAY		100.00	60.00	60.00	15.00	900
1068	BAGHRAN	DWAZDA-E-MAM		80.00	50.00	62.50	12.00	600
1082	BAGHRAN	GARDEE BAGHRAN	ADAM KHAN	60.00	40.00	66.67	15.00	600
1070	BAGHRAN	GARM AAB	ISRAIEL	300.00	200.00	66.67	13.00	2600
1069	BAGHRAN	GARM AAB	MALIK MOHAMMAD	300.00	200.00	66.67	13.00	2600
1071	BAGHRAN	GARNAY		80.00	50.00	62.50	12.00	600
1073	BAGHRAN	GARRAY	AKHTIYOR KHAN	300.00	180.00	60.00	15.00	2700
1072	BAGHRAN	GARRAY	M.KAREEM	300.00	200.00	66.67	15.00	3000
1075	BAGHRAN	GAZAK		400.00	250.00	62.50	14.00	3500
1076	BAGHRAN	GHAM CHAR		80.00	45.00	56.25	10.00	450
1079	BAGHRAN	GHAR GHARR		160.00	100.00	62.50	13.00	1300
1077	BAGHRAN	GHARAH MADO		40.00	35.00	87.50	12.00	420
1078	BAGHRAN	GHARIBAK		100.00	100.00	100.00	10.00	1000
1084	BAGHRAN	GHONDA SANG		120.00	80.00	66.67	12.00	960
1080	BAGHRAN	GHORGHAN	CHINARAN	100.00	50.00	50.00	12.00	600
1081	BAGHRAN	GHORGHAN	TAKHAMAK	20.00		0.00	0.00	0
1083	BAGHRAN	GIRDEE BAGHRAN	KHARASANG	100.00	60.00	60.00	12.00	720
1085	BAGHRAN	GOLDOM KALAY		200.00	120.00	60.00	15.00	1800
1086	BAGHRAN	GUNGECH		200.00	160.00	80.00	12.00	1920
1087	BAGHRAN	HAZAR BUZ		60.00	40.00	66.67	12.00	480
1088	BAGHRAN	HAZAR BUZ PAYAN		90.00	50.00	55.56	12.00	600
1089	BAGHRAN	HAZAR DARAKHT		260.00	60.00	23.08	10.00	600
1099	BAGHRAN	HUSSAYNI KAREZ		80.00	50.00	62.50	12.00	600
1090	BAGHRAN	JAGHATU KALAN	MASJID MAMUR	200.00	150.00	75.00	10.00	1500
1091	BAGHRAN	JAGHATU KALAN	POSHTA	350.00	100.00	28.57	15.00	1500
1092	BAGHRAN	JAR KALAY				0.00	12.00	0
1093	BAGHRAN	JOSHA		45.00	20.00	44.44	12.00	240
1104	BAGHRAN	KAIR MOHAMMAD		210.00	120.00	57.14	14.00	1680
1095	BAGHRAN	KALAN JOI		300.00	180.00	60.00	15.00	2700
1094	BAGHRAN	KALANA		80.00	45.00	56.25	10.00	450
1097	BAGHRAN	KALATA	ABDUL RASHED	250.00	150.00	60.00	11.00	1650
1096	BAGHRAN	KALATA	MULLAH NAW KHAN	250.00	150.00	60.00	11.00	1650
1105	BAGHRAN	KHAKREZ POTAY		200.00	100.00	50.00	12.00	1200
1106	BAGHRAN	KHANDAN		80.00	50.00	62.50	13.00	650
1107	BAGHRAN	KHARZARA		80.00	45.00	56.25	14.00	630
1108	BAGHRAN	KHASA		40.00	20.00	50.00	12.00	240
1109	BAGHRAN	KHENJAK MAZAR	HAJI MOHAMMAD DIN	400.00	250.00	62.50	14.00	3500

Opium poppy cultivation by village in Helmand province, 1994.

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							kg /jerib	Total kgs
1110	BAGHRAN	KHENJAK MAZAR	SHADI JAN	400.00	300.00	75.00	14.00	4200
1111	BAGHRAN	KHENJAKAK		160.00	10.00	6.25	8.00	80
1114	BAGHRAN	KHOBAN KALAY		250.00	150.00	60.00	10.00	1500
1123	BAGHRAN	KHODIYAN	BADY KALAY	600.00	360.00	60.00	9.00	3240
1118	BAGHRAN	KHODIYAN	CHAGHAL GHONDAY	180.00	100.00	55.56	15.00	1500
1116	BAGHRAN	KHODIYAN	CHEHEL MORDA	180.00	100.00	55.56	16.00	1600
1126	BAGHRAN	KHODIYAN	GODA SHELA	120.00	80.00	66.67	12.00	960
1121	BAGHRAN	KHODIYAN	MIYAN KALA KALAY	170.00	100.00	58.82	10.00	1000
1119	BAGHRAN	KHODIYAN	MURGHAB	300.00	150.00	50.00	12.00	1800
1122	BAGHRAN	KHODIYAN	POY KALA KALAY	250.00	180.00	72.00	11.00	1980
1124	BAGHRAN	KHODIYAN	SAR KALA KALAY	280.00	180.00	64.29	9.00	1620
1125	BAGHRAN	KHODIYAN	SHAHNAGHARAY	130.00	80.00	61.54	12.00	960
1120	BAGHRAN	KHODIYAN	SUM KALAY	200.00	120.00	60.00	10.00	1200
1127	BAGHRAN	KHODIYAN	TANGAI KALAY	200.00	100.00	50.00	9.00	900
1117	BAGHRAN	KHODYAN	LOWADARA	120.00	60.00	50.00	11.00	660
1115	BAGHRAN	KHORYAN	KHADERAK	100.00	60.00	60.00	15.00	900
1112	BAGHRAN	KHWAJA ANGAL		100.00	60.00	60.00	12.00	720
1113	BAGHRAN	KHWAJA KORA	POY ANJOMAN	200.00	170.00	85.00	12.00	2040
1101	BAGHRAN	KONJEEN	MAWEN FATEH KHAN	250.00	200.00	80.00	9.00	1800
1100	BAGHRAN	KONJEN	MULLAH MOH.MIR KALAY	250.00	200.00	80.00	9.00	1800
1103	BAGHRAN	KORGHU		220.00	120.00	54.55	12.00	1440
1102	BAGHRAN	KSHATTA BUM		160.00	70.00	43.75	12.00	840
1128	BAGHRAN	LABBA		240.00	140.00	58.33	15.00	2100
1129	BAGHRAN	LARKA		80.00	45.00	56.25	12.00	540
1098	BAGHRAN	LATIF KAREZ		100.00	60.00	60.00	15.00	900
1130	BAGHRAN	LEJAY		250.00	150.00	60.00	15.00	2250
1131	BAGHRAN	LWAR GHEBLTA		160.00		0.00	12.00	0
1132	BAGHRAN	LWAR ZARGHIN		150.00	100.00	66.67	12.00	1200
1133	BAGHRAN	MALANG KALAY		120.00	80.00	66.67	14.00	1120
1134	BAGHRAN	MAYAGAN		350.00	200.00	57.14	12.00	2400
1135	BAGHRAN	MEYAN SHELMEN	LOY KAREZ	70.00	50.00	71.43	15.00	750
1136	BAGHRAN	MEYAN SHELMEN	SIBAK	80.00	40.00	50.00	15.00	600
1137	BAGHRAN	MONDI KAKA KALAY		120.00	60.00	50.00	11.00	660
1138	BAGHRAN	MOTAKA		140.00	90.00	64.29	15.00	1350
1139	BAGHRAN	NAGANAK		100.00	60.00	60.00	13.00	780
1153	BAGHRAN	NAIK		200.00	120.00	60.00	12.00	1440
1140	BAGHRAN	NAMAZGAH		150.00	50.00	33.33	15.00	750
1141	BAGHRAN	NATAY KALAY		120.00	80.00	66.67	12.00	960
1143	BAGHRAN	NAWA BASHELLAN	SABLAY	300.00	200.00	66.67	16.00	3200
1150	BAGHRAN	NAWA MESH	JAGH	200.00	100.00	50.00	15.00	1500
1151	BAGHRAN	NAWA MESH	SURKH JOI	160.00	90.00	56.25	12.00	1080
1142	BAGHRAN	NAWA-E-BEDAD		180.00	80.00	44.44	12.00	960
1144	BAGHRAN	NAWAE MESH	KATAKUSHTA	400.00	200.00	50.00	15.00	3000
1149	BAGHRAN	NAWAE MESH	SPISHALL	300.00	100.00	33.33	15.00	1500
1147	BAGHRAN	NAWAE MESH	SYAHGOSH	280.00	180.00	64.29	12.00	2160
1152	BAGHRAN	NEGATTU		600.00	400.00	66.67	15.00	6000
1154	BAGHRAN	OURGOSON		280.00	110.00	39.29	16.00	1760
1155	BAGHRAN	PAI KOTAL		100.00	60.00	60.00	12.00	720
1157	BAGHRAN	PARKOND	HAJI LALJAN	300.00	200.00	66.67	12.00	2400
1156	BAGHRAN	PARKOND	HAJI M.HUSSAN	300.00	200.00	66.67	12.00	2400
1158	BAGHRAN	PARNAY		100.00	70.00	70.00	15.00	1050
1160	BAGHRAN	PAY JENJAY		160.00	80.00	50.00	12.00	960
1164	BAGHRAN	PAY SANG		190.00	100.00	52.63	15.00	1500

Opium poppy cultivation by village in Helmand province, 1994.

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Opium Poppy Yield Total kgs
1161	BAGHRAN	PAY SHELMIN		80.00	40.00	50.00	10.00	400
1163	BAGHRAN	PAY SWARAKA		110.00	60.00	54.55	16.00	960
1162	BAGHRAN	PAY ZARGHIN		50.00	30.00	60.00	12.00	360
1159	BAGHRAN	PAYGAW		120.00	60.00	50.00	12.00	720
1165	BAGHRAN	PLARZARA		50.00	12.00	24.00	12.00	144
1166	BAGHRAN	POSHTE JOI		50.00	10.00	20.00	10.00	100
1167	BAGHRAN	QARABAGH	QARYA-E-MULLAH M.SHA	300.00	100.00	33.33	12.00	1200
1168	BAGHRAN	QARYA-E- TARYAK		200.00	150.00	75.00	12.00	1800
1170	BAGHRAN	RAHMAT JOI		160.00	80.00	50.00	12.00	960
1171	BAGHRAN	REGAY		100.00	55.00	55.00	12.00	660
1177	BAGHRAN	ROBATAK		120.00	70.00	58.33	12.00	840
1181	BAGHRAN	ROOD	ANAR JOI	150.00	70.00	46.67	12.00	840
1008	BAGHRAN	ROOD	ASMANYAN	80.00	0.00	0.00	0.00	0
1183	BAGHRAN	ROOD	BAHAWDDIN KALAY	220.00	150.00	68.18	12.00	1800
1178	BAGHRAN	ROOD	CHAKTU	130.00	0.00	0.00	0.00	0
1182	BAGHRAN	ROOD	GHOLBA	150.00	80.00	53.33	12.00	960
1179	BAGHRAN	ROOD	KHENJAK MAZAR	300.00	170.00	56.67	15.00	2550
1180	BAGHRAN	ROOD	SANG SHAN	100.00	70.00	70.00	12.00	840
1184	BAGHRAN	SABZY QUL		250.00	150.00	60.00	8.00	1200
1185	BAGHRAN	SAD MANEY		25.00	15.00	60.00	12.00	180
1186	BAGHRAN	SANG WANA	HAJI MOATADIN	150.00	100.00	66.67	12.00	1200
1187	BAGHRAN	SANG WANA	YASEEN AKA	150.00	110.00	73.33	12.00	1320
1189	BAGHRAN	SAR BAGHNA	CHINARAK	20.00	5.00	25.00	6.00	30
1191	BAGHRAN	SAR BAGHNA	DARAHE SHAH	300.00	180.00	60.00	13.00	2340
1196	BAGHRAN	SAR BAGHNA	GIMAN	150.00	90.00	60.00	9.00	810
1190	BAGHRAN	SAR BAGHNA	GUMBADA	100.00	80.00	80.00	13.00	1040
1192	BAGHRAN	SAR BAGHNA	ISLAM GHORA	50.00	20.00	40.00	9.00	180
1195	BAGHRAN	SAR BAGHNA	KUNJAK KALAY	120.00	80.00	66.67	12.00	960
1193	BAGHRAN	SAR BAGHNA	PAY GOW	50.00	30.00	60.00	13.00	390
1197	BAGHRAN	SAR BAGHNA	PAY GOW KALAY	120.00	80.00	66.67	12.00	960
1194	BAGHRAN	SAR BAGHNA	PIR GHOR	150.00	80.00	53.33	10.00	800
1198	BAGHRAN	SAR BAGHNA	QALACHA	100.00	60.00	60.00	13.00	780
1200	BAGHRAN	SAR BAGHNA	SAYLBIN	50.00	10.00	20.00	8.00	80
1201	BAGHRAN	SAR BAGHNA	SHEGINAK	30.00	5.00	16.67	6.00	30
1199	BAGHRAN	SAR BAGHNA	SRA PUZA	20.00	5.00	25.00	6.00	30
1202	BAGHRAN	SAR BAGHNA	SURGHOCH	100.00	70.00	70.00	12.00	840
1204	BAGHRAN	SAR JAR		24.00	15.00	62.50	12.00	180
1203	BAGHRAN	SAR JENJAR		160.00	90.00	56.25	15.00	1350
1205	BAGHRAN	SAR SHELMEN		135.00	80.00	59.26	12.00	960
1206	BAGHRAN	SAYED BADIYAN	NASIM KAKA KALAY	400.00	300.00	75.00	13.00	3900
1207	BAGHRAN	SAYED BADIYAN	SAIFULLAH KALAY	300.00	200.00	66.67	13.00	2600
1208	BAGHRAN	SEDIQA		80.00		0.00	12.00	0
1213	BAGHRAN	SHAH JOI		300.00	180.00	60.00	15.00	2700
1214	BAGHRAN	SHAH KALAH		120.00	70.00	58.33	12.00	840
1211	BAGHRAN	SHAH TUT		160.00	80.00	50.00	15.00	1200
1209	BAGHRAN	SHALIGAR		60.00	30.00	50.00	12.00	360
1215	BAGHRAN	SHEEN DARA	HAJI DASTAGEER	400.00	250.00	62.50	14.00	3500
1216	BAGHRAN	SHEEN DARA	HOTAK	450.00	250.00	55.56	14.00	3500
1210	BAGHRAN	SHEENA		220.00	120.00	54.55	13.00	1560
1217	BAGHRAN	SHEKESHTA		70.00	40.00	57.14	12.00	480
1220	BAGHRAN	SHER MOHAMMAD KALAY		60.00	30.00	50.00	12.00	360
1219	BAGHRAN	SHEREYAK	HAJI JAMAL	300.00	200.00	66.67	12.00	2400
1212	BAGHRAN	SHERY YAK	HAJI ISMATULLAH	300.00	200.00	66.67	12.00	2400

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Total kgs
1218	BAGHRAN	SHIRIN PADA		160.00	89.00	55.63	12.00	1068
1221	BAGHRAN	SOKHTA		60.00	40.00	66.67	12.00	480
1223	BAGHRAN	SYA CHOW	SUFLY	100.00	70.00	70.00	10.00	700
1222	BAGHRAN	SYAH CHAW ULYA		150.00	8.00	5.33	8.00	64
1002	BAGHRAN	SYAH CHOW		140.00	22.00	15.71	12.00	264
1224	BAGHRAN	TA CHARAY		80.00	40.00	50.00	12.00	480
1225	BAGHRAN	TA-E-SINA		45.00	30.00	66.67	11.00	330
1229	BAGHRAN	TAKALGHU		50.00	30.00	60.00	12.00	360
1226	BAGHRAN	TAKHT		300.00	180.00	60.00	13.00	2340
1227	BAGHRAN	TAKHT KHOLAH		150.00	80.00	53.33	12.00	960
1230	BAGHRAN	TALLA		40.00	20.00	50.00	10.00	200
1228	BAGHRAN	TANGAY		200.00	120.00	60.00	12.00	1440
1169	BAGHRAN	TARA BAGH	LALA KHAN AKHOND	200.00	60.00	30.00	6.00	360
1145	BAGHRAN	TAWA MESH	QARA KUNDAO	280.00	180.00	64.29	13.00	2340
1146	BAGHRAN	TAWA MESH	SYAH JANGAL	300.00	150.00	50.00	12.00	1800
1148	BAGHRAN	TAWE MESH		380.00	200.00	52.63	12.00	2400
1231	BAGHRAN	WALE		80.00	50.00	62.50	12.00	600
1232	BAGHRAN	WARJA KALAY		200.00	100.00	50.00	12.00	1200
1234	BAGHRAN	ZARWAN	MORGHAKY	150.00	120.00	80.00	13.00	1560
1233	BAGHRAN	ZARWAN	ZAHIR KALAY	150.00	110.00	73.33	13.00	1430
1236	BAGHRAN	ZOBAR	HAJI MOHAMMAD AKA	150.00	60.00	40.00	16.00	960
1235	BAGHRAN	ZOBAR KALAY	ALI MOHAMMAD	310.00	170.00	54.84	10.00	1700
1074	BAGHRAN	ZURUNGAY		120.00	80.00	66.67	15.00	1200
	BAGHRAN Total			**40859**	**23527**	**58**	**12**	**282324**
840	KAJAKI	AABDAR		200.00	100.00	50.00	9.00	900
845	KAJAKI	ABDUL AMLIK		120.00	60.00	50.00	11.00	660
842	KAJAKI	AGHA AHMAD		90.00	40.00	44.44	12.00	480
838	KAJAKI	AHANGARAN		80.00	30.00	37.50	12.00	360
917	KAJAKI	AIDEL KAREZ		120.00	0.00	0.00	12.00	0
846	KAJAKI	AKHOND KHAIL		70.00	20.00	28.57	10.00	200
841	KAJAKI	ALBALAGH		200.00	100.00	50.00	12.00	1200
844	KAJAKI	ALI ABAD		180.00	100.00	55.56	12.00	1200
837	KAJAKI	ANARAK		20.00	10.00	50.00	12.00	120
849	KAJAKI	ANARAK		340.00	20.00	5.88	12.00	240
850	KAJAKI	ANJIRAN		200.00	100.00	50.00	12.00	1200
848	KAJAKI	ATAL		70.00	30.00	42.86	10.00	300
839	KAJAKI	AZAN	PAYAN KALA	90.00	50.00	55.56	10.00	500
843	KAJAKI	AZAN		30.00	15.00	50.00	11.00	165
859	KAJAKI	BAGHAK		300.00	60.00	20.00	9.00	540
857	KAJAKI	BAJAGHAR		350.00		0.00	10.00	0
856	KAJAKI	BAWAR		52.00	10.00	19.23	13.00	130
855	KAJAKI	BEGAL KHAIL		200.00	80.00	40.00	12.00	960
852	KAJAKI	BENUSH		200.00	80.00	40.00	11.00	880
854	KAJAKI	BESHAM		200.00		0.00	12.00	0
853	KAJAKI	BIABANAK		300.00	50.00	16.67	10.00	500
851	KAJAKI	BIBEKA		120.00	110.00	91.67	9.00	990
865	KAJAKI	CHACHA		60.00	30.00	50.00	12.00	360
864	KAJAKI	CHAHARBAGH		270.00	150.00	55.56	12.00	1800
863	KAJAKI	CHARDA		100.00	30.00	30.00	10.00	300
862	KAJAKI	CHEENA		250.00	30.00	12.00	10.00	300
860	KAJAKI	CHEHELGAZI		110.00	60.00	54.55	12.00	720
899	KAJAKI	CHEL CHEGH		100.00	0.00	0.00	12.00	0
861	KAJAKI	CHINAGI		300.00	120.00	40.00	10.00	1200

Opium poppy cultivation by village in Helmand province, 1994.

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield	
							kg /jerib	Total kgs
867	KAJAKI	DAEH BABA	TEMURAK	700.00	150.00	21.43	12.00	1800
866	KAJAKI	DAEH MUSHAK		130.00	70.00	53.85	12.00	840
871	KAJAKI	DAEH YAK		80.00	30.00	37.50	11.00	330
870	KAJAKI	DARGHANI	HAJI KHAIL	300.00	50.00	16.67	9.00	450
868	KAJAKI	DAROZAIE		120.00	40.00	33.33	12.00	480
924	KAJAKI	DAWRAN KAREZ		400.00	100.00	25.00	12.00	1200
869	KAJAKI	DOJARI		80.00	60.00	75.00	12.00	720
874	KAJAKI .	GANDUMREZ	CHAGHAKI	400.00	100.00	25.00	12.00	1200
873	KAJAKI	GANDUMREZ SUFLA		400.00	200.00	50.00	12.00	2400
878	KAJAKI	GHAWAND		300.00	150.00	50.00	12.00	1800
876	KAJAKI	GHAYSARAKA		300.00	80.00	26.67	10.00	800
875	KAJAKI	GHOCHI ZAR		300.00	60.00	20.00	12.00	720
872	KAJAKI	GHULAM HUSSAIN KAREZ		100.00	50.00	50.00	12.00	600
877	KAJAKI	GHULMESH		100.00	30.00	30.00	10.00	300
879	KAJAKI	HAJI BERA		400.00	100.00	25.00	12.00	1200
880	KAJAKI	HAYDAR BUGHCHI		144.00	40.00	27.78	11.00	440
897	KAJAKI	HOKUMAT KHAN KAREZ		350.00		0.00	12.00	0
881	KAJAKI	JARCHI		200.00	50.00	25.00	10.00	500
884	KAJAKI	JARYA		100.00	12.00	12.00	10.00	120
883	KAJAKI	JOI DARAZ	KHOSHKYAR KALAY	500.00	250.00	50.00	12.00	3000
1001	KAJAKI	JOI DARAZ	SARWAR KHAN KALAY	500.00	300.00	60.00	12.00	3600
882	KAJAKI	JOLAH		50.00	20.00	40.00	12.00	240
930	KAJAKI	KAJ BED		80.00	50.00	62.50	12.00	600
921	KAJAKI	KAJAKI SUFFLA	AKHOND ZADA KHAIL	300.00	120.00	40.00	12.00	1440
910	KAJAKI	KAJAKI SUFFLA	QAZI KHAIL	500.00	180.00	36.00	12.00	2160
908	KAJAKI	KAJAKI SUFLA	QARYA-E-RAHMATULLAH	225.00	100.00	44.44	12.00	1200
847	KAJAKI	KAJAKI ULYA	ARAB ZAIE	400.00	100.00	25.00	12.00	1200
927	KAJAKI	KAJAKI ULYA	LAWAR KHAIL	50.00	30.00	60.00	10.00	300
926	KAJAKI	KAJAKI ULYA	MAMONZAI	400.00	150.00	37.50	10.00	1500
914	KAJAKI ·	KAKA KHAIL		200.00	40.00	20.00	12.00	480
889	KAJAKI	KALWALAT		200.00	50.00	25.00	10.00	500
911	KAJAKI	KANZAY		500.00	80.00	16.00	10.00	800
916	KAJAKI	KAREZ		150.00		0.00	12.00	0
933	KAJAKI	KAREZ BEDAK KHURD		200.00	160.00	80.00	10.00	1600
904	KAJAKI	KAREZ GORGAK		500.00	70.00	14.00	12.00	840
940	KAJAKI	KAREZ NOW		200.00	100.00	50.00	12.00	1200
886	KAJAKI	KAREZ NOW GHARBI		60.00	20.00	33.33	9.00	180
957	KAJAKI	KAREZ NOWAY	HAJI KAMAL KHAN	70.00	40.00	57.14	9.00	360
922	KAJAKI	KAREZ SAFID		240.00	120.00	50.00	12.00	1440
895	KAJAKI	KAREZ SURKH		150.00	70.00	46.67	11.00	770
898	KAJAKI	KAREZ TAJOI		120.00	50.00	41.67	12.00	600
887	KAJAKI	KAREZAK		100.00	70.00	70.00	10.00	700
934	KAJAKI	KAREZDAY		250.00	70.00	28.00	12.00	840
937	KAJAKI	KESHATTA WEZDAN		90.00	50.00	55.56	11.00	550
888	KAJAKI	KESHMESH KHAN		250.00	100.00	40.00	1.00	100
907	KAJAKI	KHANDEG KAREZ		90.00	50.00	55.56	12.00	600
885	KAJAKI	KHENJAKAK		250.00	150.00	60.00	12.00	1800
891	KAJAKI	KHESHTI POKHTA		100.00	25.00	25.00	12.00	300
896	KAJAKI	KHOCHAIE		150.00	70.00	46.67	10.00	700
890	KAJAKI	KHOGIANI		120.00	40.00	33.33	9.00	360
918	KAJAKI	KHOLA ABAD		200.00	60.00	30.00	10.00	600
932	KAJAKI '	KHUM BALAGH		110.00	95.00	86.36	12.00	1140
935	KAJAKI	KHWAJA AZIZ		170.00	70.00	41.18	12.00	840

Opium poppy cultivation by village in Helmand province, 1994.

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Total kgs
901	KAJAKI	KHWAJA GHARIB		300.00	80.00	26.67	12.00	960
915	KAJAKI	KHWAJA PAKSAR		600.00	150.00	25.00	12.00	1800
902	KAJAKI	KOCHAK		80.00	40.00	50.00	12.00	480
938	KAJAKI	KONJAK	QASIM LUR	160.00	40.00	25.00	10.00	400
931	KAJAKI	KONJAK	ROBAT	150.00	30.00	20.00	9.00	270
906	KAJAKI	KONJAK	YAR BABA	120.00	30.00	25.00	12.00	360
893	KAJAKI	KOTEY		48.00	16.00	33.33	10.00	160
903	KAJAKI	KSHATTA BAJAGHAR		550.00	50.00	9.09	10.00	500
936	KAJAKI	KUTI SUFFLA		300.00	60.00	20.00	10.00	600
919	KAJAKI	KUTI ULYA		132.00	50.00	37.88	12.00	600
941	KAJAKI	LABE JOI		150.00	30.00	20.00	10.00	300
900	KAJAKI	LANDY KAREZ		150.00	50.00	33.33	12.00	600
942	KAJAKI	LEJAK		120.00	80.00	66.67	12.00	960
943	KAJAKI	LWAR WEZDAN		60.00	30.00	50.00	11.00	330
948	KAJAKI	MACHI KHAIL		200.00	40.00	20.00	9.00	360
951	KAJAKI	MAIDANEE		200.00	70.00	35.00	11.00	770
949	KAJAKI	MAR KHOR SUFFLA		15.00	5.00	33.33	10.00	50
945	KAJAKI	MAZAR	CHAR DAR	80.00	0.00	0.00	11.00	0
946	KAJAKI	MAZAR ULYA	MAZAR SUFFLA	250.00	50.00	20.00	9.00	450
947	KAJAKI	MAZDURAK		100.00	40.00	40.00	12.00	480
950	KAJAKI	MAZDURAK		200.00	50.00	25.00	12.00	600
892	KAJAKI	MINE ABAD KAREZ		40.00	30.00	75.00	11.00	330
944	KAJAKI	MIRZAI		45.00	20.00	44.44	10.00	200
913	KAJAKI	MUGHORI KAREZ		200.00	50.00	25.00	12.00	600
953	KAJAKI	NALAN KOKACHEL		600.00		0.00	9.00	0
954	KAJAKI	NASWARYAN		50.00	30.00	60.00	12.00	360
952	KAJAKI	NAYCHA		200.00	100.00	50.00	12.00	1200
955	KAJAKI	NAYCHA SUFFLA		1000.00	100.00	10.00	10.00	1000
956	KAJAKI	NAYCHE ULYA		250.00	150.00	60.00	12.00	1800
958	KAJAKI	NAYCHE ULYA		300.00	100.00	33.33	10.00	1000
959	KAJAKI	NOWABAD		100.00	30.00	30.00	9.00	270
962	KAJAKI	PAI SANG		200.00	50.00	25.00	11.00	550
960	KAJAKI	PIR ZAI		500.00	150.00	30.00	12.00	1800
961	KAJAKI	PIRZAI		500.00	150.00	30.00	12.00	1800
964	KAJAKI	QALA-E-GUL		200.00	20.00	10.00	10.00	200
912	KAJAKI	QAMBARIAN KAREZ		40.00	30.00	75.00	12.00	360
905	KAJAKI	QAND AGHA KAREZ		150.00	50.00	33.33	12.00	600
963	KAJAKI	QARYA-E-MALIK SHAH		150.00	40.00	26.67	13.00	520
858	KAJAKI	QARYAI BEDAK		90.00	50.00	55.56	11.00	550
999	KAJAKI	RAOWSHAN ABAD	HAJI SARWAR KHAN	900.00	500.00	55.56	12.00	6000
998	KAJAKI	ROWSAHN ABAD	HAJI ASHRAF KALAY	850.00	450.00	52.94	12.00	5400
965	KAJAKI	ROWSHAN ABAD	KASHMIR KALAY	750.00	400.00	53.33	12.00	4800
966	KAJAKI	ROWSHAN ABAD	NEDA MOHAMMAD KALAY	900.00	400.00	44.44	12.00	4800
988	KAJAKI	SAADAT		120.00		0.00	10.00	0
977	KAJAKI	SABZIKAR		200.00	80.00	40.00	12.00	960
979	KAJAKI	SACHI		100.00	40.00	40.00	12.00	480
984	KAJAKI	SAFIDA		150.00	50.00	33.33	12.00	600
983	KAJAKI	SANGINAK		200.00	100.00	50.00	16.00	1600
972	KAJAKI	SARGINAK		50.00	40.00	80.00	10.00	400
909	KAJAKI	SAYEDAN KAREZ		120.00	60.00	50.00	12.00	720
987	KAJAKI	SEKANDAR ABAD		200.00	0.00	0.00	12.00	0
968	KAJAKI	SHADIKA		100.00	30.00	30.00	10.00	300
971	KAJAKI	SHADIKA		70.00	50.00	71.43	11.00	550

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield	
							kg /jerib	Total kgs
980	KAJAKI	SHAH KAREZ	HAJI FAIZULLAH	300.00	200.00	66.67	13.00	2600
981	KAJAKI	SHAH KAREZ	HAZRAT GUL AKA KALAY	250.00	180.00	72.00	12.00	2160
982	KAJAKI	SHAH PISAND		40.00	20.00	50.00	11.00	220
976	KAJAKI	SHAHZADA		250.00	100.00	40.00	9.00	900
974	KAJAKI	SHEKH ZAI KAREZ		40.00	10.00	25.00	12.00	120
973	KAJAKI	SHER AHMAD		150.00	60.00	40.00	12.00	720
986	KAJAKI	SHER MULLAH		120.00	30.00	25.00	12.00	360
978	KAJAKI	SHERINE ZAI		100.00	50.00	50.00	10.00	500
989	KAJAKI	SHERY		400.00	100.00	25.00	10.00	1000
975	KAJAKI	SHIRAY	YAKH KAREZ	200.00	10.00	5.00	12.00	120
969	KAJAKI	SIRAK		50.00	40.00	80.00	10.00	400
985	KAJAKI	SIYA KHOLLA		75.00	45.00	60.00	11.00	495
929	KAJAKI	SUFFLA KAJAKI	MANDAH	600.00	200.00	33.33	12.00	2400
923	KAJAKI	SUFFLA KAJAKI	MIYAN RODI	500.00	150.00	30.00	12.00	1800
928	KAJAKI	SUFFLA KAJAKI	QARYA-E-MAKTAB	600.00	100.00	16.67	12.00	1200
920	KAJAKI	SUFFLA KAJAKI	REGEE	300.00	80.00	26.67	11.00	880
967	KAJAKI	SULTAN ROBAT		212.00	80.00	37.74	9.00	720
970	KAJAKI	SYAGHUL		85.00	40.00	47.06	10.00	400
992	KAJAKI	TAGHAWAY		250.00	40.00	16.00	9.00	360
990	KAJAKI	TAJOYAK		150.00	40.00	26.67	11.00	440
991	KAJAKI	TALAREGH		40.00		0.00	11.00	0
993	KAJAKI	TURGHI		300.00	100.00	33.33	11.00	1100
994	KAJAKI	TURKAK		80.00	30.00	37.50	10.00	300
925	KAJAKI	ULYA KAJAKI	PAYIN KELLA	300.00	100.00	33.33	12.00	1200
894	KAJAKI	WOLANG KAREZ		240.00	100.00	41.67	12.00	1200
996	KAJAKI	ZAMINDAWAR	QARYAI OGHUL	900.00	500.00	55.56	12.00	6000
995	KAJAKI	ZAMINDAWAR	SAFID KHOLLA	60.00	40.00	66.67	12.00	480
1000	KAJAKI	ZAMINDAWAR	TABEDAK	220.00	120.00	54.55	10.00	1200
997	KAJAKI	ZER KHAR		150.00	100.00	66.67	12.00	1200
939	KAJAKI	ZUBAIR KAREZ		150.00	80.00	53.33	12.00	960
	KAJAKI Total			**37503**	**12893**	**34**	**11**	**141823**
781	MUSA QALA	ABDUL RAHMAN		400.00	250.00	62.50	13.00	3250
779	MUSA QALA	ABDUL RAHMAN KHAN	LANDI NAWA	500.00	300.00	60.00	12.00	3600
694	MUSA QALA	AKBAR KHAN NAWA	MIR KHAN ABAD	120.00	70.00	58.33	13.00	910
695	MUSA QALA	ALIZAI	LALO KHAN MOSQUE	120.00	80.00	66.67	10.00	800
770	MUSA QALA	BAHADUR KAREZ		350.00	220.00	62.86	13.00	2860
700	MUSA QALA	BAHEER		80.00	50.00	62.50	12.00	600
699	MUSA QALA	BEDAK		250.00	150.00	60.00	13.00	1950
707	MUSA QALA	CHAGHALI		150.00	100.00	66.67	12.00	1200
746	MUSA QALA	CHAGHLEE	HAJI GHANI KALAY	350.00	200.00	57.14	13.00	2600
745	MUSA QALA	CHAGHLEE	HAJI NARAI AKA KALAY	300.00	150.00	50.00	13.00	1950
708	MUSA QALA	CHAHAR SAIY		100.00	60.00	60.00	11.00	660
701	MUSA QALA	CHAKAW		200.00	150.00	75.00	12.00	1800
706	MUSA QALA	CHANAKZAI		150.00	110.00	73.33	14.00	1540
703	MUSA QALA	CHARDEH		200.00	150.00	75.00	13.00	1950
705	MUSA QALA	CHENA OLYA		66.00	46.00	69.70	14.00	644
704	MUSA QALA	CHINA SAFLLA		120.00	80.00	66.67	13.00	1040
702	MUSA QALA	CHOLAWIAN		300.00	180.00	60.00	12.00	2160
709	MUSA QALA	CURJAT		200.00	120.00	60.00	12.00	1440
716	MUSA QALA	DABAKA		200.00	120.00	60.00	13.00	1560
712	MUSA QALA	DAGYAN		160.00	100.00	62.50	13.00	1300
740	MUSA QALA	DAHROZ SAFLLA	HAJI GHULAM RASUL	400.00	250.00	62.50	12.00	3000
741	MUSA QALA	DAHROZ SAFLLAH	HAJI MALEEM	300.00	180.00	60.00	12.00	2160

METHODOLOGY

Background

The Baseline Survey aimed at the collection and analysis of data on demography, agriculture, irrigation, assessing levels of illicit crops cultivation and village infrastructure.

Helping Afghan Farmers Organisation (HAFO) was selected by ADCRP to conduct the survey in nine selected districts of Helmand. The survey was carried out between March 15th and June 14th 1994.

Sources of Information

The two main information sources were:

1) Primary data collection through questionnaire formats developed by ADCRP (see Annex 1).

2) Secondary data collection obtained from enumerators, UN mission reports and site observations by ADCRP staff, Non-Governmental Organisations (NGOs) reports and the Provincial Gazetteer of Afghanistan.

Data Collection Tools

The main data collection tools used were the questionnaire, survey maps of the districts and enumerator notebooks.

The questionnaire format was prepared in English and translated into the Dari language by ADCRP staff. The questionnaire format included questions on demography, agriculture and irrigation, status of illicit crop cultivation and village infrastructure.

In relation to demography the questionnaire covered village size, family size, repatriation indicators, employment opportunities and village leadership.

In relation to agriculture and irrigation the questionnaire focused on farm size, farm power, landless families, crops cultivated, irrigation sources, damage caused by conflict and rehabilitation needs relating to canal irrigation systems.
In addition it covered illicit crop cultivation, inputs in opium production, marketing and opium income assessment, attitudes towards opium poppy, prevalence of drug abuse and awareness on

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Total kgs
710	MUSA QALA	DAMISTAN	DASTGEERA KALAY	120.00	90.00	75.00	13.00	1170
717	MUSA QALA	DAND		300.00	200.00	66.67	13.00	2600
711	MUSA QALA	DARA KHAIL		150.00	100.00	66.67	13.00	1300
743	MUSA QALA	DARONTA	HAJI AMEER JAN	350.00	220.00	62.86	13.00	2860
744	MUSA QALA	DARONTA	HAJI MANAF AKA KALAY	400.00	250.00	62.50	12.00	3000
742	MUSA QALA	DARONTA	HAJI QASIM AKA KALAY	400.00	250.00	62.50	14.00	3500
807	MUSA QALA	DARONTA	SAYED NABI KALAY	350.00	200.00	57.14	12.00	2400
739	MUSA QALA	DE MASTAN	HAJI RAHMATULLAH	120.00	80.00	66.67	12.00	960
720	MUSA QALA	DEH GHOREE KAREZ		150.00	80.00	53.33	13.00	1040
715	MUSA QALA	DEH GHOWCHAK		400.00	250.00	62.50	13.00	3250
713	MUSA QALA	DEH HAZARMISHI		500.00	300.00	60.00	14.00	4200
718	MUSA QALA	DEH SUFIAN		200.00	120.00	60.00	13.00	1560
714	MUSA QALA	DEH ZUHRE ULYA		800.00	450.00	56.25	13.00	5850
719	MUSA QALA	DOGHAKA		650.00	350.00	53.85	13.00	4550
748	MUSA QALA	DU AAB	HAJI JALAT KHAN	90.00	60.00	66.67	13.00	780
749	MUSA QALA	DU AAB	HAJI JAMAL	150.00	100.00	66.67	13.00	1300
787	MUSA QALA	DU AAB	MOHAMMAD AKHLAS	120.00	80.00	66.67	12.00	960
767	MUSA QALA	ESSA KHAN		180.00	120.00	66.67	14.00	1680
815	MUSA QALA	GHARAT ULLAH	SHAH JAHAN	150.00	100.00	66.67	13.00	1300
725	MUSA QALA	GHARGHADIAN		80.00	40.00	50.00	10.00	400
747	MUSA QALA	GHARTULLAH	HAJI ABDULLAH JAN	200.00	120.00	60.00	13.00	1560
726	MUSA QALA	GHELJAE KACA		50.00	30.00	60.00	10.00	300
723	MUSA QALA	GHUNDI KALAY	QAYUM KHAN MOSQUE	250.00	150.00	60.00	12.00	1800
724	MUSA QALA	GUMBADY		120.00	80.00	66.67	13.00	1040
721	MUSA QALA	IZATULLAH	FAZAL MOHAMMAD	140.00	100.00	71.43	13.00	1300
763	MUSA QALA	JOGH RAGH		250.00	150.00	60.00	12.00	1800
738	MUSA QALA	JOGHLEE	HAJI SADEQ KALAY	400.00	250.00	62.50	12.00	3000
786	MUSA QALA	JOZ GHURI	MASHOZI	400.00	250.00	62.50	13.00	3250
737	MUSA QALA	JOZGHOREE	HAJI MOHAMMAD AFZAL	450.00	300.00	66.67	13.00	3900
773	MUSA QALA	KACA ASHRAF		200.00	120.00	60.00	12.00	1440
777	MUSA QALA	KAREZ DEH		500.00	350.00	70.00	13.00	4550
780	MUSA QALA	KAREZ GHULAM		120.00	80.00	66.67	12.00	960
769	MUSA QALA	KAREZ KHOSHK		90.00	70.00	77.78	13.00	910
774	MUSA QALA	KAREZ KHOSHK		250.00	180.00	72.00	12.00	2160
776	MUSA QALA	KAREZ NOW		350.00	220.00	62.86	13.00	2860
778	MUSA QALA	KAREZ PEER		300.00	200.00	66.67	13.00	2600
765	MUSA QALA	KARGHAKA		150.00	100.00	66.67	13.00	1300
782	MUSA QALA	KASHATTA JELJAY		450.00	300.00	66.67	14.00	4200
771	MUSA QALA	KHAN GULBA		200.00	80.00	40.00	13.00	1040
775	MUSA QALA	KHARWARI		800.00	500.00	62.50	14.00	7000
750	MUSA QALA	KHOJA DAD	HAJI KHAIR MOHAMMAD	350.00	250.00	71.43	13.00	3250
753	MUSA QALA	KHOJA DAD	HAJI SHRINE AKA	450.00	300.00	66.67	13.00	3900
751	MUSA QALA	KHOJA DAD	HAJI ZAHIR	400.00	250.00	62.50	12.00	3000
752	MUSA QALA	KHOJA DAD	HAJI ZAMAN	380.00	220.00	57.89	12.00	2640
735	MUSA QALA	KOBAD	HAJI MOHAMMAD RASUL	400.00	250.00	62.50	12.00	3000
736	MUSA QALA	KOBAR	HAJI HAJI M.SHARIF	500.00	300.00	60.00	13.00	3900
830	MUSA QALA	KOBAR	WAZIR MAMA	350.00	250.00	71.43	12.00	3000
764	MUSA QALA	KOCHNI KOBAR		200.00	150.00	75.00	12.00	1800
785	MUSA QALA	KONJAK	HAJI AGHA	80.00	60.00	75.00	12.00	720
729	MUSA QALA	KONJAK	HAJI MOHAMMAD ISA	170.00	120.00	70.59	13.00	1560
798	MUSA QALA	KONJAK	NAJIBULLAH	140.00	100.00	71.43	11.00	1100
772	MUSA QALA	KONJAK		50.00	30.00	60.00	12.00	360
784	MUSA QALA	LANDAY		300.00	200.00	66.67	12.00	2400

Opium poppy cultivation by village in Helmand province, 1994.

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Total kgs
783	MUSA QALA	LASHKARAK		180.00	120.00	66.67	14.00	1680
761	MUSA QALA	LOR JALJEE	HAJI NOOR MOHAMMAD	400.00	250.00	62.50	13.00	3250
762	MUSA QALA	LOR JALJEE	HAJI WALI JAN AKA	200.00	140.00	70.00	13.00	1820
792	MUSA QALA	MASHHADIAN		300.00	150.00	50.00	12.00	1800
793	MUSA QALA	MAZR ABAD (JUNOBI)	M.ASSADULLAH	400.00		0.00	13.00	0
794	MUSA QALA	MAZR ABAD (SHAMALI)		400.00	300.00	75.00	13.00	3900
827	MUSA QALA	MIZR ABAD (JONUBI)	SIA KHARAN	200.00	120.00	60.00	13.00	1560
791	MUSA QALA	MULLAH GORI NIKEH		100.00	60.00	60.00	13.00	780
790	MUSA QALA	MUSA KALIM KACA		80.00	50.00	62.50	12.00	600
795	MUSA QALA	MUSA ZAI		300.00	200.00	66.67	12.00	2400
796	MUSA QALA	MUSA ZAI KAREZ		120.00	80.00	66.67	13.00	1040
759	MUSA QALA	MUSALMANI	HAJI MOHAMMAD AKA	450.00	300.00	66.67	13.00	3900
760	MUSA QALA	MUSALMANI	HAJI WALI KALAY	400.00	200.00	50.00	13.00	2600
766	MUSA QALA	NADA MOHAMMAD	KAREZ NIDA MOHAMMAD	250.00	150.00	60.00	13.00	1950
800	MUSA QALA	PADLEK		200.00	100.00	50.00	12.00	1200
801	MUSA QALA	PUZAH	HAJI MOHAMMAD ESSA	90.00	60.00	66.67	12.00	720
803	MUSA QALA	QARYA SARDAR		210.00	90.00	42.86	12.00	1080
825	MUSA QALA	QARYA SAYDAN		200.00	160.00	80.00	11.00	1760
802	MUSA QALA	QARYA SHARBAT		170.00	90.00	52.94	12.00	1080
768	MUSA QALA	QERAN		140.00	100.00	71.43	13.00	1300
734	MUSA QALA	REGEE	HAJI RUSTAM	700.00		0.00	12.00	0
789	MUSA QALA	REGEE	M. PEER MOHAMMAD	500.00	300.00	60.00	12.00	3600
797	MUSA QALA	REGEE	NOORZO REGEE	150.00	100.00	66.67	12.00	1200
823	MUSA QALA	SAHEB ZADA KHAIL		150.00	90.00	60.00	12.00	1080
811	MUSA QALA	SAMAN CHAY		600.00	350.00	58.33	13.00	4550
814	MUSA QALA	SANDALA		300.00	200.00	66.67	12.00	2400
808	MUSA QALA	SANGBAR		400.00	250.00	62.50	12.00	3000
821	MUSA QALA	SARBESHHA		150.00	80.00	53.33	11.00	880
810	MUSA QALA	SARHAND		2000.00	800.00	40.00	13.00	10400
813	MUSA QALA	SEHAB		900.00	500.00	55.56	12.00	6000
826	MUSA QALA	SHABAN		220.00	150.00	68.18	13.00	1950
822	MUSA QALA	SHAHEDAN		120.00	70.00	58.33	11.00	770
817	MUSA QALA	SHALLA SHOR		120.00	70.00	58.33	9.00	630
731	MUSA QALA	SHARGA	HAJI ATTA MOHAMMAD	250.00	200.00	80.00	13.00	2600
730	MUSA QALA	SHARGA	HAJI GHULAM MOHAMMAD	400.00	250.00	62.50	12.00	3000
732	MUSA QALA	SHARGA	HAJI MAOSUM	350.00	200.00	57.14	12.00	2400
733	MUSA QALA	SHARGA	HAJI MOHAMMAD AKHOND	300.00	200.00	66.67	12.00	2400
722	MUSA QALA	SHAWA ROZ	FAZEL AKHOND KALAY	120.00	90.00	75.00	12.00	1080
828	MUSA QALA	SHIR GHAZY		400.00	250.00	62.50	13.00	3250
836	MUSA QALA	SHOWA ROZ	ZAREEF KHAN KALAY	100.00	70.00	70.00	13.00	910
806	MUSA QALA	SIA CHAW		300.00	200.00	66.67	13.00	2600
818	MUSA QALA	SOKHTA		80.00	50.00	62.50	10.00	500
819	MUSA QALA	SRE WALI		200.00	120.00	60.00	12.00	1440
820	MUSA QALA	SUFAN		60.00	40.00	66.67	11.00	440
812	MUSA QALA	SULTAN ROBAT		800.00	500.00	62.50	13.00	6500
809	MUSA QALA	SURKYAN		150.00	100.00	66.67	12.00	1200
824	MUSA QALA	SURPAN		120.00	80.00	66.67	12.00	960
816	MUSA QALA	SYAH KHOLA		70.00	30.00	42.86	12.00	360
689	MUSA QALA	TAKHTA POOL	ADDA	90.00	70.00	77.78	13.00	910
727	MUSA QALA	TAKHTA POOL	HAJI MULLAH ZAHIR	100.00	80.00	80.00	13.00	1040
728	MUSA QALA	TAKHTA POOL	HAJI SAMAD	80.00	60.00	75.00	12.00	720
788	MUSA QALA	TAKHTA POOL	HAJI WALI KHAN	120.00	80.00	66.67	12.00	960
834	MUSA QALA	TAKHTA POOL	ZALA KALA	100.00	80.00	80.00	12.00	960

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield	
							kg /jerib	Total kgs
697	MUSA QALA	TOGHEE	AKHOND ZADA KHAIL	100.00	80.00	80.00	12.00	960
755	MUSA QALA	TOGHEE	HAJI FAIZ ULLAH	120.00	80.00	66.67	12.00	960
756	MUSA QALA	TOGHEE	HAJI IBRAHIM	100.00	60.00	60.00	13.00	780
757	MUSA QALA	TOGHEE	HAMIDULLAH	90.00	70.00	77.78	13.00	910
829	MUSA QALA	USMAN KACAY		120.00	70.00	58.33	11.00	770
831	MUSA QALA	WALA KHOR		100.00	50.00	50.00	10.00	500
698	MUSA QALA	WASKA	ATTA MOHAMMAD	220.00	150.00	68.18	12.00	1800
758	MUSA QALA	WASKA	HAJI MALEM	200.00	140.00	70.00	13.00	1820
799	MUSA QALA	WASKA	NOOR MOHAMMAD AKA	180.00	120.00	66.67	14.00	1680
805	MUSA QALA	WASKA	RAHMATULLAH AKA	200.00	140.00	70.00	13.00	1820
833	MUSA QALA	YAK DEWAL		100.00	60.00	60.00	11.00	660
832	MUSA QALA	YAK LENG		80.00	40.00	50.00	12.00	480
804	MUSA QALA	YAKA KHAK		130.00	90.00	69.23	14.00	1260
696	MUSA QALA	YATEEM JEE	ABDUL JABAR	150.00	100.00	66.67	14.00	1400
754	MUSA QALA	YATEEM JEE	HAJI ZAHIR	200.00	150.00	75.00	13.00	1950
835	MUSA QALA	ZULM ABAD		600.00	300.00	50.00	13.00	3900
	MUSA QALA Total			**38096**	**22796**	**60**	**12**	**273552**
3	NAD-E ALI	CHA ANJEER 31	ABDUL WAHAB MOSQUE	400.00	120.00	30.00	14.00	1680
18	NAD-E ALI	CHA ANJEER 31	HAJEE TALIB MOSQUE	900.00	500.00	55.56	18.00	9000
5	NAD-E ALI	CHA MIRZA	BALOCHAN QARYA	600.00	150.00	25.00	15.00	2250
8	NAD-E ALI	CHA MIRZA	HAJI SERAJ DIN	1000.00	250.00	25.00	17.00	4250
9	NAD-E ALI	CHA MIRZA	KAGARAN KALI	1080.00	250.00	23.15	17.00	4250
6	NAD-E ALI	CHA MIRZA	NAMRAN KALI	800.00	200.00	25.00	17.00	3400
7	NAD-E ALI	CHA MIRZA	NAMRAN KALI	1000.00	200.00	20.00	18.00	3600
4	NAD-E ALI	CHA MIRZA	QARYA ZOR ABAD	50.00	25.00	50.00	10.00	250
35	NAD-E ALI	DAHANA 31 SHARQI	HAJI ABDUL HAKEEM	390.00	150.00	38.46	18.00	2700
28	NAD-E ALI	DAHANA 31 SHARQI	HAJI WALI MOHAMMAD	230.00	100.00	43.48	15.00	1500
27	NAD-E ALI	DAHANA 31 SHARQI	HAJI YAHYA KHAN	600.00	200.00	33.33	18.00	3600
36	NAD-E ALI	DAHANA 31 SHARQI	MOHAMMAD WAZIR	450.00	100.00	22.22	13.00	1300
37	NAD-E ALI	DAHANA 31 SHARQI	MOHAMMAD YAQUB	500.00	80.00	16.00	20.00	1600
38	NAD-E ALI	DAHANA 31 SHARQI	SHAH MOHAMMAD	400.00	100.00	25.00	18.00	1800
43	NAD-E ALI	DAHANA 57	SULAIMAN SHAH KALI	300.00	50.00	16.67	16.00	800
45	NAD-E ALI	DAHANA 57 MARJA	ABDUL SAMATKHAN KALI	450.00	100.00	22.22	9.00	900
40	NAD-E ALI	DAHANA 57 MARJA	BISMILLA QARYA	1000.00	20.00	2.00	5.00	100
44	NAD-E ALI	DAHANA 57 MARJA	SIR KATIB KALI	400.00	20.00	5.00	8.00	160
42	NAD-E ALI	DAHANA 57 MARJA	WARDAKAN QARYA	300.00		0.00	0.00	0
41	NAD-E ALI	DAHANA 57 MARJA	ZARWARIYAN KALI	200.00		0.00	0.00	0
39	NAD-E ALI	DAHANA 57 QLA BATULA	HAJI ABDUL HAMMED	500.00	80.00	16.00	10.00	800
47	NAD-E ALI	DAHANA 60 MARJA	KAREZ SADEE	90.00	5.00	5.56	10.00	50
46	NAD-E ALI	DAHANA 60 MARJA	KAREZ SATA	1000.00	250.00	25.00	18.00	4500
48	NAD-E ALI	DAHANA 62 MARJA	HAJI KHALIL	800.00	150.00	18.75	16.00	2400
53	NAD-E ALI	DAHANA 66 KAREZSADEE	ABDUL GHAFOOR KALI	900.00	300.00	33.33	19.00	5700
52	NAD-E ALI	DAHANA 66 KAREZSADEE	KAFL BATULLAH	1000.00	400.00	40.00	16.00	6400
50	NAD-E ALI	DAHANA 66 KAREZSADEE	MALIM QAYUM KALI	1000.00	400.00	40.00	16.00	6400
49	NAD-E ALI	DAHANA 66 KAREZSYDAN	MARDAN KHAN KALI	1500.00	200.00	13.33	16.00	3200
51	NAD-E ALI	DAHANA 69 KAREZSYDAN	WAKEL FAZLUDIN KALI	1000.00		0.00	0.00	0
34	NAD-E ALI	DAHANA SHARQI 31	ABDULLAH JAN	400.00	200.00	50.00	12.00	2400
25	NAD-E ALI	GHARBI 31	GHULAM RAHIM	60.00	60.00	100.00	15.00	900
24	NAD-E ALI	GHARBI 31	GUL MOHAMMAD	300.00	100.00	33.33	25.00	2500
22	NAD-E ALI	GHARBI 31	HAJEE ABDUL KAREEM	924.00	300.00	32.47	14.00	4200
17	NAD-E ALI	GHARBI 31	HAZRAT SHAH	200.00	100.00	50.00	14.00	1400
23	NAD-E ALI	GHARBI 31	SAYED MOHAMMAD	615.00	250.00	40.65	25.00	6250
20	NAD-E ALI	GHARBI 31	SAYED SAMAYULLAH	300.00	150.00	50.00	16.00	2400

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Opium Poppy Yield Total kgs
19	NAD-E ALI	GHARBI 31	TALIB USTAD	240.00	110.00	45.83	14.00	1540
26	NAD-E ALI	GHARBI 31	TAZA GUL KHAN	100.00	20.00	20.00	20.00	400
21	NAD-E ALI	GHARBI 31 CHA ANJEER	SIR KATIB	400.00	200.00	50.00	15.00	3000
77	NAD-E ALI	GROUP SHASH	HAJI ABDUL HAI	500.00	100.00	20.00	15.00	1500
74	NAD-E ALI	GROUP SHASH	LALA JAN	400.00	150.00	37.50	13.00	1950
76	NAD-E ALI	GROUP SHASH	MAVINULLAH DAD	800.00	200.00	25.00	16.00	3200
78	NAD-E ALI	GROUP SHASH	MULLA JABBAR MOSQUE	300.00	100.00	33.33	10.00	1000
75	NAD-E ALI	GROUP SHASH	NOORUDIN KALI	500.00	200.00	40.00	15.00	3000
80	NAD-E ALI	GROUP SHASH	WAKEEL DURANEE	600.00	100.00	16.67	15.00	1500
79	NAD-E ALI	GROUP SHASH	WAKEEL SHINKY KHAN	200.00	50.00	25.00	15.00	750
73	NAD-E ALI	GROUP SHASH		700.00	200.00	28.57	1.00	200
11	NAD-E ALI	KHOSHAL KALI	GAOHAR KHAN	600.00	200.00	33.33	13.00	2600
13	NAD-E ALI	KHOSHAL KALI	HAJI MOHAMMAD JAN	1200.00	150.00	12.50	15.00	2250
15	NAD-E ALI	KHOSHAL KALI	MOHAMMAD RAZA KHAN	1200.00	200.00	16.67	15.00	3000
12	NAD-E ALI	KHOSHAL KALI	MULA FAZLO AKHOND	400.00	120.00	30.00	14.00	1680
14	NAD-E ALI	KHOSHAL KALI	NOOR MOHAMMAD KHAN	450.00	100.00	22.22	15.00	1500
10	NAD-E ALI	KHOSHAL KALI	SHAZADA MOSQUE	300.00	150.00	50.00	15.00	2250
16	NAD-E ALI	KHOSHAL KALI	SULTAN	400.00	100.00	25.00	15.00	1500
94	NAD-E ALI	LOIY BAGH	BOKHARAYAN KALI	800.00	300.00	37.50	25.00	7500
96	NAD-E ALI	LOIY BAGH	HAJI SAYED AGHA KALI	1150.00	300.00	26.09	25.00	7500
98	NAD-E ALI	LOIY BAGH	MULLAH KHAIL KALI	1200.00	300.00	25.00	20.00	6000
97	NAD-E ALI	LOIY BAGH	WAKEEL SHAH NAZAR	1900.00	400.00	21.05	18.00	7200
95	NAD-E ALI	LOIY BAGH	WAKEEL SYED JAN KALI	1000.00	400.00	40.00	14.00	5600
93	NAD-E ALI	LOIY MANDA	ABDUL KHALIQUE	400.00	180.00	45.00	19.00	3420
90	NAD-E ALI	LOIY MANDA	MULA ABDUL AHAD	190.00	90.00	47.37	15.00	1350
85	NAD-E ALI	LOIY MANDA	SAYED HASSAN AGHA	660.00	200.00	30.30	19.00	3800
83	NAD-E ALI	LOIY MANDA	WAKEEL AMAN	500.00	200.00	40.00	19.00	3800
84	NAD-E ALI	LOIY MANDA	WAKEEL ZAHIR	150.00	70.00	46.67	18.00	1260
87	NAD-E ALI	LOIY MANDA DAHANA 25	HAJI ABDUL KAREEM	600.00	200.00	33.33	14.00	2800
88	NAD-E ALI	LOIY MANDA DAHANA 25	MOHAMMAD KHAN	400.00	200.00	50.00	18.00	3600
89	NAD-E ALI	LOIY MANDA DAHANA 25	ZAHIR BALUCH	500.00	250.00	50.00	18.00	4500
91	NAD-E ALI	LOIY MANDA,DAHANA 23	HAJI KHODA NAZAR	400.00	200.00	50.00	16.00	3200
92	NAD-E ALI	LOIY MANDA,DAHANA 23	WAKEEL ABDUL QAYUM	360.00	200.00	55.56	15.00	3000
86	NAD-E ALI	LOIY MANDA,DAHANA 25	WAKEEL LAL MOHAMAD	600.00	100.00	16.67	12.00	1200
81	NAD-E ALI	LOIY MANDA,DAHANA 29	HAJI ALAUDDIN KHAN	600.00	200.00	33.33	20.00	4000
82	NAD-E ALI	LOIY MANDA,DAHANA 29	KHAIR MOHAMMAD	350.00	200.00	57.14	20.00	4000
108	NAD-E ALI	MARJA	ACHAKZAY	600.00	100.00	16.67	10.00	1000
151	NAD-E ALI	MARJA	BLOCK 10C	400.00	15.00	3.75	19.00	285
153	NAD-E ALI	MARJA	BLOCK 10C	180.00	20.00	11.11	16.00	320
155	NAD-E ALI	MARJA	BLOCK 10C	500.00	8.00	1.60	8.00	64
152	NAD-E ALI	MARJA	BLOCK 10D	330.00	20.00	6.06	6.00	120
154	NAD-E ALI	MARJA	BLOCK 10D	282.00	15.00	5.32	10.00	150
103	NAD-E ALI	MARJA	BLOCK 11 KOCHAK	300.00	20.00	6.67	4.00	80
106	NAD-E ALI	MARJA	BLOCK 119 KALAN	800.00	150.00	18.75	19.00	2850
104	NAD-E ALI	MARJA	BLOCK 11B	960.00	300.00	31.25	16.00	4800
166	NAD-E ALI	MARJA	BLOCK 1A	1600.00	400.00	25.00	15.00	6000
165	NAD-E ALI	MARJA	BLOCK 1B	1500.00	450.00	30.00	16.00	7200
164	NAD-E ALI	MARJA	BLOCK 1C	1300.00	590.00	45.38	16.00	9440
163	NAD-E ALI	MARJA	BLOCK 2A	1100.00	400.00	36.36	16.00	6400
162	NAD-E ALI	MARJA	BLOCK 2B	1300.00	350.00	26.92	16.00	5600
161	NAD-E ALI	MARJA	BLOCK 2C	1200.00	460.00	38.33	16.00	7360
160	NAD-E ALI	MARJA	BLOCK 3A	1050.00	400.00	38.10	16.00	6400
159	NAD-E ALI	MARJA	BLOCK 3B	1490.00	500.00	33.56	16.00	8000

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Total kgs
158	NAD-E ALI	MARJA	BLOCK 3C	900.00	300.00	33.33	16.00	4800
117	NAD-E ALI	MARJA	BLOCK 49	500.00	90.00	18.00	18.00	1620
118	NAD-E ALI	MARJA	BLOCK 4B	450.00	116.00	25.78	15.00	1740
119	NAD-E ALI	MARJA	BLOCK 4B	410.00	150.00	36.59	19.00	2850
156	NAD-E ALI	MARJA	BLOCK 4B	900.00	150.00	16.67	16.00	2400
120	NAD-E ALI	MARJA	BLOCK 4C	600.00	180.00	30.00	18.00	3240
121	NAD-E ALI	MARJA	BLOCK 4D	550.00	100.00	18.18	17.00	1700
122	NAD-E ALI	MARJA	BLOCK 4E	400.00	90.00	22.50	15.00	1350
123	NAD-E ALI	MARJA	BLOCK 59	1200.00	400.00	33.33	10.00	4000
124	NAD-E ALI	MARJA	BLOCK 5B-C	1500.00	150.00	10.00	10.00	1500
125	NAD-E ALI	MARJA	BLOCK 5D	1200.00	300.00	25.00	9.00	2700
126	NAD-E ALI	MARJA	BLOCK 5E	1000.00	200.00	20.00	12.00	2400
127	NAD-E ALI	MARJA	BLOCK 5F			0.00	0.00	0
128	NAD-E ALI	MARJA	BLOCK 6A	800.00	300.00	37.50	16.00	4800
129	NAD-E ALI	MARJA	BLOCK 6B	1000.00	300.00	30.00	19.00	5700
130	NAD-E ALI	MARJA	BLOCK 6C	400.00	225.00	56.25	18.00	4050
131	NAD-E ALI	MARJA	BLOCK 6D	700.00	220.00	31.43	16.00	3520
132	NAD-E ALI	MARJA	BLOCK 6E	1200.00	250.00	20.83	16.00	4000
133	NAD-E ALI	MARJA	BLOCK 6F	600.00	100.00	16.67	18.00	1800
134	NAD-E ALI	MARJA	BLOCK 7A	600.00	200.00	33.33	16.00	3200
135	NAD-E ALI	MARJA	BLOCK 7B	400.00	80.00	20.00	16.00	1280
136	NAD-E ALI	MARJA	BLOCK 7B	410.00	96.00	23.41	19.00	1824
137	NAD-E ALI	MARJA	BLOCK 7C	700.00	150.00	21.43	16.00	2400
138	NAD-E ALI	MARJA	BLOCK 7C	400.00	85.00	21.25	16.00	1360
139	NAD-E ALI	MARJA	BLOCK 7D	500.00	110.00	22.00	16.00	1760
140	NAD-E ALI	MARJA	BLOCK 7D	410.00	112.00	27.32	16.00	1792
141	NAD-E ALI	MARJA	BLOCK 7D	520.00	230.00	44.23	16.00	3680
142	NAD-E ALI	MARJA	BLOCK 7E	600.00	210.00	35.00	16.00	3360
143	NAD-E ALI	MARJA	BLOCK 7E	550.00	180.00	32.73	17.00	3060
144	NAD-E ALI	MARJA	BLOCK 7F	620.00	211.00	34.03	16.00	3376
145	NAD-E ALI	MARJA	BLOCK 7F	586.00	200.00	34.13	16.00	3200
157	NAD-E ALI	MARJA	BLOCK 8A	1100.00	400.00	36.36	18.00	7200
146	NAD-E ALI	MARJA	BLOCK 8C	700.00	60.00	8.57	15.00	900
147	NAD-E ALI	MARJA	BLOCK 8D	600.00	10.00	1.67	16.00	160
148	NAD-E ALI	MARJA	BLOCK 9A	500.00	5.00	1.00	5.00	25
149	NAD-E ALI	MARJA	BLOCK 9B	500.00	100.00	20.00	16.00	1600
150	NAD-E ALI	MARJA	BLOCK 9C	160.00	4.00	2.50	16.00	64
105	NAD-E ALI	MARJA	KALAN 119	700.00	200.00	28.57	15.00	3000
113	NAD-E ALI	MARJA	SHAH NAZAR KHAN KALI	950.00	320.00	33.68	19.00	6080
99	NAD-E ALI	MARJA	SHINE GHAZAK KALI	200.00	30.00	15.00	10.00	300
100	NAD-E ALI	MARJA	SHINE GHAZAK KALI	500.00	20.00	4.00	10.00	200
101	NAD-E ALI	MARJA	SHINE GHAZAK KALI			0.00	0.00	0
102	NAD-E ALI	MARJA	SHINE GHAZAK KALI			0.00	0.00	0
107	NAD-E ALI	MARJA	WAKEEL AEENULLAH 66	1200.00	400.00	33.33	16.00	6400
114	NAD-E ALI	MARJA	WAKEEL SHINKAI	900.00	200.00	22.22	15.00	3000
109	NAD-E ALI	MARJA	WAKEEL WAZIR VALLEY	700.00	56.00	8.00	16.00	896
110	NAD-E ALI	MARJA DAHANA 60	KAREZ SADEE	700.00	100.00	14.29	10.00	1000
111	NAD-E ALI	MARJA GHARBEE	GHULAM M.KHAN KALI	500.00	50.00	10.00	15.00	750
116	NAD-E ALI	MARJA GHARBEE	SHAH NAZAR	900.00	50.00	5.56	15.00	750
115	NAD-E ALI	MARJA GHARBEE	WAKEEL SHINKAI	1200.00	350.00	29.17	17.00	5950
112	NAD-E ALI	MARJA SHARQEE	SHAH NAZAR KHAN	900.00		0.00	19.00	0
168	NAD-E ALI	NAQEEL ABAD	DOST MOHAMMAD	700.00	250.00	35.71	22.00	5500
167	NAD-E ALI	NAQEEL ABAD	HAJI JALLAT KHAN	700.00	170.00	24.29	22.00	3740

Opium poppy cultivation by village in Helmand province, 1994.

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield	
							kg /jerib	Total kgs
169	NAD-E ALI	NAQEEL ABAD	WAKEEL ABDUL HAKEEM	700.00	200.00	28.57	22.00	4400
72	NAD-E ALI	QARI SAHIB		1013.00	56.00	5.53	20.00	1120
32	NAD-E ALI	SHARQI	MERO HABIBULLAH	800.00	300.00	37.50	16.00	4800
31	NAD-E ALI	SHARQI 31	ABDUL GHAFOOR MOSQUE	600.00	250.00	41.67	14.00	3500
30	NAD-E ALI	SHARQI 31	HAJEE KHAIR MOHAMMAD	350.00	70.00	20.00	15.00	1050
33	NAD-E ALI	SHARQI 31	HAJI SHEER MOHAMMAD	400.00	90.00	22.50	15.00	1350
29	NAD-E ALI	SHARQI 31	QARYA ARAB HA	600.00	300.00	50.00	22.00	6600
71	NAD-E ALI	SHINE KALI	HAJI AKHTAR MOHAMMAD	1800.00	120.00	6.67	12.00	1440
70	NAD-E ALI	SHINE KALI	HAJI FATAY KHAN KALI	1500.00	400.00	26.67	20.00	8000
69	NAD-E ALI	SHINE KALI	WAKEEL SAFAR	1600.00	200.00	12.50	24.00	4800
68	NAD-E ALI	SHOP	HABIBULLAH KHAN KALI	1100.00	100.00	9.09	20.00	2000
67	NAD-E ALI	SHRINE JAN KALI	ABDUL WAHID AKHOND	400.00	200.00	50.00	15.00	3000
66	NAD-E ALI	SHRINE KHAN KALI	MALNK KAKA KALI	400.00	200.00	50.00	15.00	3000
1	NAD-E ALI	TAMIR HAI LEFRI	SAYED ABAD	100.00		0.00	0.00	0
2	NAD-E ALI	TAMIR HAI LEFRI	SAYED ABAD	400.00		0.00	0.00	0
170	NAD-E ALI	WOLOSWALI	MARKAZ WOLOSWALI	1100.00	200.00	18.18	14.00	2800
63	NAD-E ALI	ZARGHON KALI	ARABIAN VALLEY	800.00	500.00	62.50	16.00	8000
54	NAD-E ALI	ZARGHON KALI	HAJI GHULAM HASSAN	200.00	50.00	25.00	12.00	600
65	NAD-E ALI	ZARGHON KALI	HAJI RANK	300.00	100.00	33.33	19.00	1900
64	NAD-E ALI	ZARGHON KALI	HAJI RANK KALI	1000.00	300.00	30.00	13.00	3900
57	NAD-E ALI	ZARGHON KALI	MADAD KHAN MOSQUE	500.00	250.00	50.00	14.00	3500
58	NAD-E ALI	ZARGHON KALI	MALANK KALI	600.00	300.00	50.00	19.00	5700
55	NAD-E ALI	ZARGHON KALI	MULA A.HAKEEM AKHOND	400.00	300.00	75.00	20.00	6000
56	NAD-E ALI	ZARGHON KALI	NOORUDIN MOSQUE	1000.00	400.00	40.00	20.00	8000
60	NAD-E ALI	ZARGHON KALI	SAIFULMOLK MOSQUE	500.00	300.00	60.00	20.00	6000
59	NAD-E ALI	ZARGHON KALI	WAKEL KHODAD KALI	400.00	200.00	50.00	19.00	3800
61	NAD-E ALI	ZARGHON KALI	WAKEL KHODADAD KALI	300.00	100.00	33.33	19.00	1900
62	NAD-E ALI	ZARGHON KALI	WAKEL KHODADAD KALI	600.00	300.00	50.00	16.00	4800
	NAD-E ALI Total			**111960**	**30244**	**27**	**16**	**483904**
558	NAHR-E SARAJ	ABBAZAB	MOHAMMAD NABI	300.00		0.00	0.00	0
560	NAHR-E SARAJ	ABBAZAN	BAHAWODDIN	300.00		0.00	0.00	0
561	NAHR-E SARAJ	ABBAZAN	MULLA GHULAM ALI	300.00		0.00	0.00	0
562	NAHR-E SARAJ	ABBAZAN	SAKHIDAD KALY	300.00		0.00	0.00	0
559	NAHR-E SARAJ	ABBAZAN	TAWAKAL	300.00		0.00	0.00	0
691	NAHR-E SARAJ	ABDUL WAHAB		350.00	250.00	71.43	12.00	3000
564	NAHR-E SARAJ	ABDURRASHID KAREZ		300.00	95.00	31.67	13.00	1235
566	NAHR-E SARAJ	ADIN ZAI	ABDUL SALAM	400.00	180.00	45.00	13.00	2340
565	NAHR-E SARAJ	ADIN ZAI	MALIK A. GHANI	400.00	305.00	76.25	14.00	4270
557	NAHR-E SARAJ	AGHLAGH		600.00	460.00	76.67	11.00	5060
692	NAHR-E SARAJ	AHMAD KHWAZI		200.00	120.00	60.00	13.00	1560
690	NAHR-E SARAJ	AHMAD SHAH		90.00	50.00	55.56	13.00	650
563	NAHR-E SARAJ	AKHUND ZADA KHAIL		150.00	20.00	13.33	12.00	240
570	NAHR-E SARAJ	ALOKOZAI		400.00	45.00	11.25	9.00	405
567	NAHR-E SARAJ	AMRICA SHAKH		500.00	320.00	64.00	13.00	4160
568	NAHR-E SARAJ	ANEEZA KALAY	HAJI FATAH MOHAMMAD	600.00	80.00	13.33	14.00	1120
569	NAHR-E SARAJ	ANEEZA KALAY	MIR HAMZA	500.00	80.00	16.00	12.00	960
571	NAHR-E SARAJ	BAGHONA		100.00	44.00	44.00	15.00	660
574	NAHR-E SARAJ	BAIZAI	HAJI BALUCH	300.00	60.00	20.00	12.00	720
573	NAHR-E SARAJ	BAIZAI	M.YAQUB	300.00	60.00	20.00	14.00	840
575	NAHR-E SARAJ	BAIZAI	MIRZABAHLOL	300.00	80.00	26.67	14.00	1120
572	NAHR-E SARAJ	BALUCHAN		300.00	60.00	20.00	10.00	600
576	NAHR-E SARAJ	BANO KALAY		450.00	360.00	80.00	11.00	3960
577	NAHR-E SARAJ	BAREKZAI KALAY		200.00	140.00	70.00	12.00	1680

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Opium Poppy Yield Total kgs
578	NAHR-E SARAJ	BROWAN		240.00	70.00	29.17	12.00	840
579	NAHR-E SARAJ	CHAHAR KOCHA		350.00	160.00	45.71	14.00	2240
580	NAHR-E SARAJ	CHARKH ANDAZ		228.00	48.00	21.05	12.00	576
581	NAHR-E SARAJ	CHINA		200.00	180.00	90.00	14.00	2520
583	NAHR-E SARAJ	DAGIAN		400.00	192.00	48.00	14.00	2688
582	NAHR-E SARAJ	DAKTAR JAY		700.00	30.00	4.29	9.00	270
590	NAHR-E SARAJ	DE ADAM KHAN	HAJI ABDULLAH KHAN	250.00	90.00	36.00	12.00	1080
584	NAHR-E SARAJ	DE DARABAND SAR		600.00		0.00	9.00	0
585	NAHR-E SARAJ	DE TABELA SAFIAN		150.00		0.00	0.00	0
586	NAHR-E SARAJ	DE TABLE TAK		500.00		0.00	0.00	0
589	NAHR-E SARAJ	DEH ADAM KHAN	HAJI GHULAM NAQSHBAN	600.00	290.00	48.33	12.00	3480
588	NAHR-E SARAJ	DEH ADAM KHAN	NASRULLAH KHAN	700.00	265.00	37.86	14.00	3710
587	NAHR-E SARAJ	DEH MAZANG		300.00	36.00	12.00	13.00	468
591	NAHR-E SARAJ	FAQEER PAYAN KALAY		800.00	135.00	16.88	13.00	1755
595	NAHR-E SARAJ	GARAJI AUSTA YUSUF		50.00		0.00		0
594	NAHR-E SARAJ	GAWBAND		300.00	42.00	14.00	11.00	462
593	NAHR-E SARAJ	GAWBAND GHUNDY		480.00	60.00	12.50	10.00	600
592	NAHR-E SARAJ	GHOLBY	HAJI KAMAL	700.00	145.00	20.71	14.00	2030
596	NAHR-E SARAJ	GOREMUGHOL		400.00	120.00	30.00	13.00	1560
598	NAHR-E SARAJ	HAJI BAHADUR		300.00	210.00	70.00	14.00	2940
597	NAHR-E SARAJ	HAJI MOHAMMAD SHAH		200.00	150.00	75.00	15.00	2250
604	NAHR-E SARAJ	HAJI SAYED MOHAMMAD		700.00	480.00	68.57	15.00	7200
606	NAHR-E SARAJ	HAJI TUR KHAN		450.00		0.00	0.00	0
603	NAHR-E SARAJ	HAYDAR ABAD	KAKOZAI	350.00	270.00	77.14	12.00	3240
600	NAHR-E SARAJ	HAYDARABAD	BAYANZAI	500.00	410.00	82.00	12.00	4920
599	NAHR-E SARAJ	HAYDARABAD	JWKARAK	500.00	400.00	80.00	12.00	4800
602	NAHR-E SARAJ	HAYDARABAD	MOHAMMAD ZAI	600.00	395.00	65.83	12.00	4740
601	NAHR-E SARAJ	HAYDER ZAI		1100.00	110.00	10.00	12.00	1320
605	NAHR-E SARAJ	HAZARAGAN		100.00	25.00	25.00	13.00	325
609	NAHR-E SARAJ	JAMAL KOV	BARAK ZAI	500.00	196.00	39.20	14.00	2744
607	NAHR-E SARAJ	JAN MOHAMMAD SHAKH		700.00	80.00	11.43	10.00	800
608	NAHR-E SARAJ	JANUBI NURZAI		600.00	192.00	32.00	10.00	1920
610	NAHR-E SARAJ	KAKARAN		500.00	210.00	42.00	12.00	2520
613	NAHR-E SARAJ	KAKARAN		500.00		0.00	0.00	0
611	NAHR-E SARAJ	KATMUTYAN		408.00	180.00	44.12	12.00	2160
625	NAHR-E SARAJ	KHALIFA SHIRINE	HAJI AZIZ	900.00	90.00	10.00	12.00	1080
615	NAHR-E SARAJ	KHALIFA SHRINE KALAY		900.00	100.00	11.11	14.00	1400
619	NAHR-E SARAJ	KHODAY DAD SHAKH		300.00	95.00	31.67	10.00	950
618	NAHR-E SARAJ	KHODAY RAHM SHAKH		150.00	15.00	10.00	10.00	150
624	NAHR-E SARAJ	KHOGIANI		3000.00	1950.00	65.00	11.00	21450
617	NAHR-E SARAJ	KHOJA BARAN	HAJI ABDUL HAKEEM	500.00	80.00	16.00	13.00	1040
620	NAHR-E SARAJ	KHOJA BARAN	HAJI PEER MOHAMMAD	600.00	260.00	43.33	13.00	3380
616	NAHR-E SARAJ	KHOJA MURAD		350.00	120.00	34.29	14.00	1680
623	NAHR-E SARAJ	KHOMARI		200.00	160.00	80.00	14.00	2240
622	NAHR-E SARAJ	KONJAK	HAJI MIRZA KHAN	800.00	60.00	7.50	14.00	840
621	NAHR-E SARAJ	KONJAK	HAJI SULTAN MOHAMMAD	500.00	145.00	29.00	13.00	1885
614	NAHR-E SARAJ	KONJAK		600.00	460.00	76.67	12.00	5520
612	NAHR-E SARAJ	KOTA KAREZ		100.00	55.00	55.00	13.00	715
626	NAHR-E SARAJ	LAND KAREZ		200.00	110.00	55.00	14.00	1540
634	NAHR-E SARAJ	MIR MANDAW	ABDUL ALI KHAN	600.00	480.00	80.00	10.00	4800
630	NAHR-E SARAJ	MIR MANDAW	MOHAMMAD	200.00	120.00	60.00	12.00	1440
628	NAHR-E SARAJ	MIR MANDAW	MOHAMMAD WAZIR	700.00	345.00	49.29	13.00	4485
627	NAHR-E SARAJ	MIR MANDAW	SARSANJ	1000.00	400.00	40.00	14.00	5600

Opium poppy cultivation by village in Helmand province, 1994.

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Total kgs
629	NAHR-E SARAJ	MIR MANDAW	WAZIR KHAN	800.00	600.00	75.00	13.00	7800
633	NAHR-E SARAJ	MOHAMMAD GUL KHAN		300.00		0.00	0.00	0
632	NAHR-E SARAJ	MOHAMMAD KAREEM		600.00	80.00	13.33	15.00	1200
635	NAHR-E SARAJ	MULLAH RAHMAT	MARY	220.00	85.00	38.64	12.00	1020
631	NAHR-E SARAJ	MUSAZAI		700.00	195.00	27.86	14.00	2730
637	NAHR-E SARAJ	NAHR-E-SERAJ PAYAN		400.00		0.00	0.00	0
636	NAHR-E SARAJ	NAQELAN		500.00	90.00	18.00	14.00	1260
639	NAHR-E SARAJ	NIKE ZAI	MALEM KHODAY NAZAR	800.00	280.00	35.00	13.00	3640
638	NAHR-E SARAJ	NIKEHZAI	ABDUL HAMEED	700.00	100.00	14.29	14.00	1400
640	NAHR-E SARAJ	OMAR KALAY		800.00	242.00	30.25	13.00	3146
642	NAHR-E SARAJ	PASAW	ZAMBELAY	400.00	40.00	10.00	10.00	400
643	NAHR-E SARAJ	PASAW		350.00	260.00	74.29	12.00	3120
641	NAHR-E SARAJ	POPAL ZAI		600.00	48.00	8.00	9.00	432
644	NAHR-E SARAJ	QADEER JAN	NASRULLAH KHAN	400.00	225.00	56.25	14.00	3150
645	NAHR-E SARAJ	QADEER KALAY		500.00	85.00	17.00	13.00	1105
647	NAHR-E SARAJ	QALAE GAZ	AHMAD ZAI	350.00	200.00	57.14	12.00	2400
646	NAHR-E SARAJ	QALAE GAZ	CHUFTY	300.00	250.00	83.33	13.00	3250
648	NAHR-E SARAJ	QALAE GAZ	HAJI GHULAM HAIDAR	300.00	210.00	70.00	14.00	2940
656	NAHR-E SARAJ	SAHME ZAI		800.00	103.00	12.88	15.00	1545
649	NAHR-E SARAJ	SAIDAN		200.00	110.00	55.00	13.00	1430
653	NAHR-E SARAJ	SANGCHAL		300.00	170.00	56.67	13.00	2210
671	NAHR-E SARAJ	SARDAR NEMATULLAH		600.00	90.00	15.00	16.00	1440
660	NAHR-E SARAJ	SARETAKHT	JANAKZAI	200.00	160.00	80.00	16.00	2560
666	NAHR-E SARAJ	SARTAKHT	HAJI NAZAR MOHAMMAD	200.00	156.00	78.00	13.00	2028
659	NAHR-E SARAJ	SARTAKHT	HAJIAN KALAY	200.00	180.00	90.00	14.00	2520
667	NAHR-E SARAJ	SARTAKHT	MAIDANZAI	300.00	240.00	80.00	13.00	3120
661	NAHR-E SARAJ	SARTAKHT	SALEH KHAIL	300.00	215.00	71.67	14.00	3010
672	NAHR-E SARAJ	SAYED TAJDAR WALI		600.00	190.00	31.67	12.00	2280
654	NAHR-E SARAJ	SENDAR ZAI	CHOGHORI	350.00	60.00	17.14	16.00	960
655	NAHR-E SARAJ	SENDER ZAI	BAHLOL KHAN	200.00	80.00	40.00	16.00	1280
658	NAHR-E SARAJ	SHADI KHAN SHAKH		500.00	120.00	24.00	11.00	1320
652	NAHR-E SARAJ	SHAMALI NURZAI		100.00	35.00	35.00	12.00	420
657	NAHR-E SARAJ	SHAMAZAI	FAIZO JAN	800.00	215.00	26.88	12.00	2580
665	NAHR-E SARAJ	SHORAGAZ	GHULAM HAIDAR	1000.00	190.00	19.00	14.00	2660
662	NAHR-E SARAJ	SHORAGAZ	HAJI ZAFARANEY	65.00	15.00	23.08	14.00	210
664	NAHR-E SARAJ	SHORAGAZ	MOHAMMAD AYAZ	600.00	210.00	35.00	12.00	2520
663	NAHR-E SARAJ	SHORAGAZ	MOHAMMAD RAHEEM	110.00	30.00	27.27	12.00	360
670	NAHR-E SARAJ	SHORAKAY	BARA KHAN KHAIL	120.00	100.00	83.33	14.00	1400
668	NAHR-E SARAJ	SHORAKAY	MADEN ZAI	200.00	148.00	74.00	11.00	1628
669	NAHR-E SARAJ	SHORAKAY	PEROZI	250.00	195.00	78.00	13.00	2535
650	NAHR-E SARAJ	SOLOAN KALY		1000.00	179.00	17.90	14.00	2506
673	NAHR-E SARAJ	STERYANI		350.00	185.00	52.86	13.00	2405
651	NAHR-E SARAJ	SUR SHAKH		300.00	25.00	8.33	9.00	225
674	NAHR-E SARAJ	SURKHABAD		900.00	330.00	36.67	12.00	3960
683	NAHR-E SARAJ	TAJEKAN		300.00	112.00	37.33	13.00	1456
676	NAHR-E SARAJ	TAKHTYAN		300.00	60.00	20.00	14.00	840
680	NAHR-E SARAJ	TALE GAW MISHI		500.00	375.00	75.00	12.00	4500
681	NAHR-E SARAJ	TALE GAWMISHI		900.00	560.00	62.22	11.00	6160
675	NAHR-E SARAJ	TALE ZAHIR		400.00		0.00	0.00	0
679	NAHR-E SARAJ	TAMBA		1200.00	920.00	76.67	12.00	11040
677	NAHR-E SARAJ	TOGHEE	NORZAI	250.00	95.00	38.00	16.00	1520
678	NAHR-E SARAJ	TOGHEE	SURYANAI	200.00	40.00	20.00	13.00	520
684	NAHR-E SARAJ	TOR KHANDAQ		200.00	140.00	70.00	14.00	1960

Opium poppy cultivation by village in Helmand province, 1994.

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682	NAHR-E SARAJ	TORMA		500.00	440.00	88.00	13.00	5720
693	NAHR-E SARAJ	USMANIYAN		90.00	60.00	66.67	13.00	780
687	NAHR-E SARAJ	ZAMBOLI	GHULAM FARUQ	600.00	280.00	46.67	12.00	3360
686	NAHR-E SARAJ	ZAMBOLI	HAJI MOHAMMAD ALEEM	600.00	450.00	75.00	12.00	5400
685	NAHR-E SARAJ	ZAMBOLI	NEIAMATULLAH	500.00	310.00	62.00	14.00	4340
688	NAHR-E SARAJ	ZAMBOLI	QADERKHAN	600.00	450.00	75.00	14.00	6300
	NAHR-E SARAJ Total			**62201**	**24038**	**39**	**13**	**312494**
227	NAW ZAD	ADEE ZAY		600.00	320.00	53.33	9.00	2880
230	NAW ZAD	AKHTAK		1000.00	600.00	60.00	10.00	6000
336	NAW ZAD	ALI ABAD	TAL AWARDEE	200.00	80.00	40.00	9.00	720
335	NAW ZAD	ALI SAYED BAND		500.00	200.00	40.00	9.00	1800
337	NAW ZAD	ALI ZAY	KAJGARK	600.00	200.00	33.33	10.00	2000
339	NAW ZAD	ALI ZAY	KANAT RASUL	600.00	300.00	50.00	13.00	3900
340	NAW ZAD	ALI ZAY	MULAH ZAHIR MOSQUE	300.00	150.00	50.00	13.00	1950
228	NAW ZAD	ALTAGEE		120.00	90.00	75.00	10.00	900
334	NAW ZAD	ALU ABAD		1000.00	360.00	36.00	2.00	720
224	NAW ZAD	AMYAN		450.00	200.00	44.44	9.00	1800
231	NAW ZAD	ANGORAK		100.00	50.00	50.00	9.00	450
226	NAW ZAD	ANJEERY		100.00	50.00	50.00	11.00	550
233	NAW ZAD	ANRAK		200.00	90.00	45.00	9.00	810
218	NAW ZAD	ARA SANK MIYAN KOO		680.00	400.00	58.82	9.00	3600
220	NAW ZAD	ASYA		60.00	40.00	66.67	9.00	360
235	NAW ZAD	BACHA RABIA		800.00	360.00	45.00	12.00	4320
249	NAW ZAD	BADESHAM		20.00	15.00	75.00	10.00	150
236	NAW ZAD	BAGHKA		400.00	300.00	75.00	9.00	2700
237	NAW ZAD	BAIDOSEE		280.00	120.00	42.86	11.00	1320
243	NAW ZAD	BAIT MUSHK		500.00	200.00	40.00	9.00	1800
242	NAW ZAD	BAR NAWZAD		360.00	100.00	27.78	9.00	900
247	NAW ZAD	BARGHARA		210.00	100.00	47.62	9.00	900
245	NAW ZAD	BARNAK	KAKA ZAHIR QARYA	360.00	180.00	50.00	9.00	1620
246	NAW ZAD	BARNAK KAREZ	MALIK JAMAL	225.00	80.00	35.56	12.00	960
241	NAW ZAD	BARNAW ZAD	BAR NAWZAD GHALYA	360.00	200.00	55.56	9.00	1800
239	NAW ZAD	BAZIDA	TAKHAM	50.00	30.00	60.00	12.00	360
244	NAW ZAD	BENUSH		200.00	150.00	75.00	10.00	1500
240	NAW ZAD	BUNOZAR		400.00	250.00	62.50	9.00	2250
281	NAW ZAD	CHAK AOO		900.00	400.00	44.44	9.00	3600
279	NAW ZAD	CHAR BAND QARYA		500.00	135.00	27.00	9.00	1215
280	NAW ZAD	CHARMISTAN		840.00	240.00	28.57	9.00	2160
291	NAW ZAD	DA BALUCH	MASOM KHAN	400.00	200.00	50.00	9.00	1800
292	NAW ZAD	DA BLUE	SORKANEE	400.00	80.00	20.00	9.00	720
290	NAW ZAD	DA DEEK		500.00	400.00	80.00	13.00	5200
304	NAW ZAD	DA MIYAN ALYA		200.00	50.00	25.00	13.00	650
302	NAW ZAD	DA MIYAN SAFLY		500.00	50.00	10.00	13.00	650
294	NAW ZAD	DAE BALUCH	HAJI PACHA MOSQUE	600.00	150.00	25.00	9.00	1350
295	NAW ZAD	DAE MALANK		500.00	400.00	80.00	13.00	5200
300	NAW ZAD	DAHAN GHAWGHA		40.00	30.00	75.00	10.00	300
296	NAW ZAD	DAHANA		500.00	400.00	80.00	13.00	5200
289	NAW ZAD	DARA		250.00	180.00	72.00	10.00	1800
297	NAW ZAD	DARA		300.00	120.00	40.00	9.00	1080
306	NAW ZAD	DARA BADESHAN		150.00	100.00	66.67	9.00	900
299	NAW ZAD	DARA DESHEE		30.00	20.00	66.67	10.00	200
288	NAW ZAD	DARA MIYAN		200.00	90.00	45.00	9.00	810
338	NAW ZAD	DARA MIYAN		200.00	100.00	50.00	10.00	1000

Opium poppy cultivation by village in Helmand province, 1994.

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305	NAW ZAD	DARA VELARY		120.00	60.00	50.00	10.00	600
298	NAW ZAD	DARZEY		1100.00	600.00	54.55	9.00	5400
303	NAW ZAD	DAWOD ZAY		650.00	250.00	38.46	9.00	2250
301	NAW ZAD	DAZDAN QARYA		800.00	200.00	25.00	9.00	1800
307	NAW ZAD	DOOR WODEE		380.00	200.00	52.63	9.00	1800
287	NAW ZAD	DOR BINEY		50.00	40.00	80.00	10.00	400
293	NAW ZAD	DU SANK		1300.00	500.00	38.46	9.00	4500
286	NAW ZAD	DUTA		400.00		0.00	9.00	0
232	NAW ZAD	ENJAR SHALEE		600.00	200.00	33.33	9.00	1800
346	NAW ZAD	FATAY JANK		100.00	50.00	50.00	9.00	450
347	NAW ZAD	FEROZEY		100.00	75.00	75.00	11.00	825
379	NAW ZAD	GADAY ZEY		200.00	150.00	75.00	9.00	1350
378	NAW ZAD	GAEMAK		200.00	50.00	25.00	9.00	450
381	NAW ZAD	GARMA SHAMALEE		200.00	70.00	35.00	9.00	630
382	NAW ZAD	GARMA USHAB		800.00	200.00	25.00	9.00	1800
377	NAW ZAD	GATALAKA	KARODEE	700.00	180.00	25.71	9.00	1620
343	NAW ZAD	GHALAR BENY		150.00	100.00	66.67	10.00	1000
342	NAW ZAD	GHALBILEE		200.00	120.00	60.00	10.00	1200
341	NAW ZAD	GHAMBAR		700.00	200.00	28.57	9.00	1800
344	NAW ZAD	GHORAGH		200.00	100.00	50.00	9.00	900
345	NAW ZAD	GHORYAN		200.00	150.00	75.00	9.00	1350
380	NAW ZAD	GUROO ULIA		230.00	180.00	78.26	9.00	1620
229	NAW ZAD	IMAM DEBAD		150.00	100.00	66.67	10.00	1000
269	NAW ZAD	JAFAR ABAD		300.00	120.00	40.00	9.00	1080
273	NAW ZAD	JAGHTU		50.00	30.00	60.00	10.00	300
275	NAW ZAD	JAHAZEY	ANJEERAK	300.00	100.00	33.33	13.00	1300
276	NAW ZAD	JAHAZEY		700.00	200.00	28.57	13.00	2600
270	NAW ZAD	JALAL DIN		500.00	200.00	40.00	9.00	1800
274	NAW ZAD	JAMSHEED		1000.00	100.00	10.00	9.00	900
272	NAW ZAD	JANGALAK	KASHRTA JANGALAK	500.00	200.00	40.00	9.00	1800
271	NAW ZAD	JANGALAK		500.00	200.00	40.00	9.00	1800
376	NAW ZAD	KAJAKEY		300.00	200.00	66.67	10.00	2000
360	NAW ZAD	KAKEE	BADMAK	34.00	20.00	58.82	9.00	180
361	NAW ZAD	KAKEY	CHAHAK	200.00	150.00	75.00	9.00	1350
362	NAW ZAD	KALI BADAM		320.00	180.00	56.25	10.00	1800
370	NAW ZAD	KALI SIYA		200.00	150.00	75.00	9.00	1350
367	NAW ZAD	KANEY BALLA		360.00	100.00	27.78	9.00	900
366	NAW ZAD	KANEY SAFLY		300.00	100.00	33.33	9.00	900
373	NAW ZAD	KAREZ NOW		300.00	20.00	6.67	9.00	180
374	NAW ZAD	KAREZ SANK		250.00	150.00	60.00	9.00	1350
364	NAW ZAD	KAREZ WALI M.KHAN	MANTEQA -E- GHARBEE	200.00	150.00	75.00	12.00	1800
369	NAW ZAD	KAREZAKEY		500.00	400.00	80.00	10.00	4000
352	NAW ZAD	KAREZKY		35.00	20.00	57.14	9.00	180
359	NAW ZAD	KASHKAK		200.00	120.00	60.00	9.00	1080
355	NAW ZAD	KECHNEE KHINJAK		200.00	100.00	50.00	9.00	900
368	NAW ZAD	KENA		500.00	150.00	30.00	13.00	1950
363	NAW ZAD	KENJAK ULIA		2240.00	500.00	22.32	9.00	4500
375	NAW ZAD	KENYAN SAIDAN		100.00	30.00	30.00	10.00	300
285	NAW ZAD	KHANEY KHAIL		100.00	70.00	70.00	12.00	840
283	NAW ZAD	KHAWAY	SHARNOW	100.00	80.00	80.00	10.00	800
282	NAW ZAD	KHAWAY	SHARQEE	400.00	300.00	75.00	10.00	3000
284	NAW ZAD	KHINJAK		200.00	120.00	60.00	9.00	1080
353	NAW ZAD	KISHAK	MOHAMMAD SHAH MOSQUE	200.00	70.00	35.00	13.00	910

drug abuse issues.

Village infrastructure related to housing (construction materials), roads, infrastructural damage, rehabilitation requirements and the level of assistance being provided through rehabilitation programmes.

Data was collected using district maps for identifying and locating villages and marking new villages not previously indicated. Local guides assisted in this task.

Enumerator notes were used to obtain additional information for debriefing purposes and correcting and preparing the district survey maps by the cartographer.

Data Collection

In Helmand province only those districts were surveyed where illicit crops were known to be cultivated. These districts were selected on the basis of ADCRP mission reports, field observations, UN and NGO reports, and information obtained from provincial and district authorities. Nine out of thirteen districts were selected for conducting the Baseline Survey in Helmand province.

A team of two enumerators and one local guide were assigned to two districts. Security was sometimes a problem but constraints were overcome by local guides and enumerators.

The criteria for completion of a questionnaire was that each questionnaire completed represented 30 to 100 families along with an identifiable geographical area that was cultivated by the farmers.

Each enumerator utilised one questionnaire format for a village, mostly between 30 to 100 families in which a group of five to ten readily available and knowledgable farmers residing in the area and community were interviewed during group discussions[2]. The interviews were conducted with a total of 9,124 farmers in 1,236 villages. Interviews where possible took place in an atmosphere conducive to obtaining reliable information.

The main criteria for administering a questionnaire was a group of 30 to 100 families which usually constituted a village. This grouping of families had a formal or popular name added to the survey map. For a large village of over 100 families there was usually one sub-group or village within the community. In these instances one or more questionnaires were administered and this addition of "sub-village" added to the survey map.

[2]village unit includes both main village and sub village

Opium poppy cultivation by village in Helmand province, 1994.

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Total kgs
356	NAW ZAD	KISHAK		200.00	50.00	25.00	13.00	650
372	NAW ZAD	KOJDEE KHASHROR		100.00	40.00	40.00	10.00	400
371	NAW ZAD	KOMAK AAB		80.00	60.00	75.00	10.00	600
358	NAW ZAD	KOTGHEE LARGHAR		800.00	240.00	30.00	12.00	2880
383	NAW ZAD	LASHKONISTAN		50.00	30.00	60.00	9.00	270
386	NAW ZAD	LOR ZANKEY		800.00	360.00	45.00	9.00	3240
384	NAW ZAD	LORMIR		750.00	50.00	6.67	9.00	450
385	NAW ZAD	LOY KHINJAKA		500.00	200.00	40.00	9.00	1800
387	NAW ZAD	LOY KHOD		50.00	50.00	100.00	10.00	500
396	NAW ZAD	MAMA KAREZ		500.00	180.00	36.00	10.00	1800
393	NAW ZAD	MASHANKZAY		200.00	150.00	75.00	10.00	1500
391	NAW ZAD	MASLAHAT		980.00	100.00	10.20	9.00	900
392	NAW ZAD	MASLIHAT	SAIDAN	200.00	100.00	50.00	9.00	900
398	NAW ZAD	MATAOO		240.00	80.00	33.33	9.00	720
390	NAW ZAD	MAZAR	GHARBEE	200.00	150.00	75.00	10.00	1500
389	NAW ZAD	MAZAR	SHARQEE	200.00	150.00	75.00	10.00	1500
400	NAW ZAD	MESHMUST		700.00	120.00	17.14	9.00	1080
397	NAW ZAD	MIYAN AKHTAK		60.00	50.00	83.33	10.00	500
394	NAW ZAD	MIYAN JOEE	MIYAN JOEE GHARB	200.00	150.00	75.00	10.00	1500
395	NAW ZAD	MIYAN JOEE	SHARQEE MANTEQA	250.00	160.00	64.00	10.00	1600
388	NAW ZAD	MOHAMMAD ABAD		500.00	100.00	20.00	9.00	900
399	NAW ZAD	MURAD ALI		600.00	250.00	41.67	9.00	2250
354	NAW ZAD	MUSA QALA KAREZ	HALOKU	300.00	100.00	33.33	9.00	900
401	NAW ZAD	NALL		350.00	150.00	42.86	9.00	1350
403	NAW ZAD	NALLA		150.00	120.00	80.00	10.00	1200
225	NAW ZAD	ORICH		40.00	30.00	75.00	10.00	300
259	NAW ZAD	PAI SOFI		220.00	120.00	54.55	9.00	1080
250	NAW ZAD	PATAN	ABDULA KHAN MOSQUE	200.00	150.00	75.00	9.00	1350
256	NAW ZAD	PATAN	AGHA MOHAMMAD MOSQUE	300.00	150.00	50.00	10.00	1500
255	NAW ZAD	PATAN	HAJI A.AHAD MOSQUE	200.00	100.00	50.00	10.00	1000
252	NAW ZAD	PATAN	HAJI AZAM MOSQUE	80.00	50.00	62.50	10.00	500
257	NAW ZAD	PATAN	HAJI GHAFOOR MOSQUE	300.00	200.00	66.67	10.00	2000
258	NAW ZAD	PATAN	HAJI KAKO MOSQUE	200.00	150.00	75.00	10.00	1500
253	NAW ZAD	PATAN	HAJI LAL JAN MOSQUE	200.00	150.00	75.00	10.00	1500
254	NAW ZAD	PATAN	KHAIR MOHAMMAD MOSQU	200.00	150.00	75.00	10.00	1500
260	NAW ZAD	PATAN	MOHAMMAD MOSQUE	100.00	50.00	50.00	12.00	600
262	NAW ZAD	PATAN	MULA MUSA MOSQUE	250.00	200.00	80.00	10.00	2000
251	NAW ZAD	PATAN	UMAR YAR MOSQUE	80.00	50.00	62.50	1.00	50
261	NAW ZAD	PATAN		300.00	100.00	33.33	9.00	900
248	NAW ZAD	PENDO		360.00	115.00	31.94	9.00	1035
349	NAW ZAD	QADAM GAH		600.00	400.00	66.67	9.00	3600
350	NAW ZAD	QALA		500.00	150.00	30.00	9.00	1350
351	NAW ZAD	QALA ZER		300.00	120.00	40.00	9.00	1080
277	NAW ZAD	QARYA CHOEEN	MAYAR	900.00	400.00	44.44	9.00	3600
278	NAW ZAD	QARYA CHOEEN		150.00	100.00	66.67	10.00	1000
312	NAW ZAD	QARYA ROBAT		200.00	100.00	50.00	10.00	1000
223	NAW ZAD	QARYA URBAND		380.00	200.00	52.63	9.00	1800
348	NAW ZAD	QASIM ABAD		200.00	50.00	25.00	9.00	450
313	NAW ZAD	ROBAT GHAZEY		300.00	120.00	40.00	10.00	1200
310	NAW ZAD	ROBAT KHASHROT		150.00	90.00	60.00	10.00	900
321	NAW ZAD	SADAT KAREZ		420.00	60.00	14.29	9.00	540
357	NAW ZAD	SAFID KAREZ		500.00	50.00	10.00	9.00	450
333	NAW ZAD	SALOO KAREZ		200.00	40.00	20.00	9.00	360

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Opium Poppy Yield Total kgs
323	NAW ZAD	SAPEE GHAL	SHAIKH ALI	300.00	150.00	50.00	9.00	1350
318	NAW ZAD	SAR GHAL		200.00	150.00	75.00	9.00	1350
324	NAW ZAD	SAR GHATA		270.00	200.00	74.07	9.00	1800
322	NAW ZAD	SAR WOLAREE		50.00	30.00	60.00	10.00	300
316	NAW ZAD	SARAKHTAK		80.00	60.00	75.00	10.00	600
317	NAW ZAD	SARHANK		100.00	50.00	50.00	10.00	500
320	NAW ZAD	SARKHAK		380.00	180.00	47.37	9.00	1620
319	NAW ZAD	SAY DORY		10.00	10.00	100.00	10.00	100
315	NAW ZAD	SEYA SANK		150.00	100.00	66.67	10.00	1000
331	NAW ZAD	SHAH MAHMOOD		450.00	300.00	66.67	2.00	600
332	NAW ZAD	SHAIKH ZAY		600.00	200.00	33.33	12.00	2400
326	NAW ZAD	SHAMS ABAD		200.00	150.00	75.00	9.00	1350
327	NAW ZAD	SHANKEY		80.00	50.00	62.50	9.00	450
328	NAW ZAD	SHERINE BAZ		700.00	400.00	57.14	9.00	3600
330	NAW ZAD	SHERINE BAZ QARYA		175.00	100.00	57.14	10.00	1000
329	NAW ZAD	SHERINE BAZ SHARQEE		220.00	100.00	45.45	10.00	1000
325	NAW ZAD	SHORAW		200.00	50.00	25.00	9.00	450
267	NAW ZAD	TABOOT		600.00	200.00	33.33	9.00	1800
263	NAW ZAD	TAJA AND GHAWGHA		100.00	60.00	60.00	10.00	600
402	NAW ZAD	TAKATU		80.00	50.00	62.50	10.00	500
265	NAW ZAD	TANKY ALYA		1000.00	500.00	50.00	10.00	5000
264	NAW ZAD	TANKY SAFLY		600.00	300.00	50.00	11.00	3300
308	NAW ZAD	TARAZDAN		200.00	100.00	50.00	13.00	1300
309	NAW ZAD	TARAZDAN GHALYA		250.00	100.00	40.00	13.00	1300
268	NAW ZAD	TAROOD		300.00	150.00	50.00	9.00	1350
266	NAW ZAD	TAZNEY		600.00	400.00	66.67	9.00	3600
219	NAW ZAD	ULLAK SAHRAYEE		100.00		0.00	10.00	0
234	NAW ZAD	ULLGHOR		330.00	90.00	27.27	9.00	810
222	NAW ZAD	URGHALLY		300.00	180.00	60.00	9.00	1620
221	NAW ZAD	URMOZ		500.00	200.00	40.00	9.00	1800
404	NAW ZAD	WACHA GHULBA		800.00	600.00	75.00	9.00	5400
407	NAW ZAD	WAKHOO		200.00	140.00	70.00	9.00	1260
365	NAW ZAD	WALI MOHAMMAD KHAN	MANTEQA JONOBEE	400.00	150.00	37.50	12.00	1800
405	NAW ZAD	WARLIZ		900.00	400.00	44.44	9.00	3600
406	NAW ZAD	WASHED		200.00	90.00	45.00	9.00	810
238	NAW ZAD	YAZDKILLY		230.00	170.00	73.91	9.00	1530
314	NAW ZAD	ZERAK KAREZ		420.00	50.00	11.90	9.00	450
311	NAW ZAD	ZORJEE		270.00	150.00	55.56	9.00	1350
	NAW ZAD Total			**67639**	**29660**	**44**	**10**	**296600**
471	NAWA BARAKZAI	ABDUL ALI	SAYED SHER MOHAMMAD	300.00	20.00	6.67	11.00	220
472	NAWA BARAKZAI	ABDUL ALI KHAN	MALEM JAN MOHAMMAD	400.00	20.00	5.00	12.00	240
473	NAWA BARAKZAI	ABDUL ALI KHAN KALY		1000.00	30.00	3.00	12.00	360
474	NAWA BARAKZAI	ACHAKZO SHAKH	MASUM KHAN ALAY	600.00	100.00	16.67	12.00	1200
476	NAWA BARAKZAI	ACHEKZO	NAQELINE	600.00	100.00	16.67	10.00	1000
478	NAWA BARAKZAI	ACHEKZO SHAKH	DAUD SHAH KHAN	1000.00	60.00	6.00	12.00	720
477	NAWA BARAKZAI	ACHEKZO SHAKH	MOHAMMAD KAREEM KHAN	300.00	50.00	16.67	12.00	600
475	NAWA BARAKZAI	ACHEKZO SHAKH	MOWAO	500.00	40.00	8.00	10.00	400
489	NAWA BARAKZAI	ALISUR		400.00	15.00	3.75	12.00	180
479	NAWA BARAKZAI	AYNAK	ABDUL AZIZ	300.00	20.00	6.67	10.00	200
490	NAWA BARAKZAI	AYNAK	ALISUR	500.00	25.00	5.00	10.00	250
488	NAWA BARAKZAI	AYNAK	AMINULLAH KHAN	500.00	20.00	4.00	12.00	240
492	NAWA BARAKZAI	AYNAK	ANAR BAGH	500.00	20.00	4.00	12.00	240
484	NAWA BARAKZAI	AYNAK	ASMATULLAH KHAN	200.00	5.00	2.50	12.00	60

Opium poppy cultivation by village in Helmand province, 1994.

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield	
							kg /jerib	Total kgs
486	NAWA BARAKZAI	AYNAK	BODOR KHAN	190.00	5.00	2.63	12.00	60
493	NAWA BARAKZAI	AYNAK	GUL AGHA KHAN	250.00	15.00	6.00	12.00	180
480	NAWA BARAKZAI	AYNAK	HAJI MIR ALAM	370.00	40.00	10.81	12.00	480
481	NAWA BARAKZAI	AYNAK	JALAD KHAN	500.00	10.00	2.00	12.00	120
494	NAWA BARAKZAI	AYNAK	MALANG KHAN	300.00	20.00	6.67	12.00	240
485	NAWA BARAKZAI	AYNAK	MOHAMMAD RAHEEM KHAN	250.00	15.00	6.00	12.00	180
491	NAWA BARAKZAI	AYNAK	NAIK MOHAMMAD	400.00	15.00	3.75	10.00	150
487	NAWA BARAKZAI	AYNAK	NAIM KHAN	200.00	10.00	5.00	12.00	120
483	NAWA BARAKZAI	AYNAK	SAADAT	210.00	19.00	9.05	12.00	228
496	NAWA BARAKZAI	AYNAK	SARPAZ	500.00	20.00	4.00	11.00	220
495	NAWA BARAKZAI	AYNAK	SAYED SEKANDAR SHAH	500.00	17.00	3.40	12.00	204
482	NAWA BARAKZAI	AYNAK	SRA KALA	350.00	10.00	2.86	12.00	120
497	NAWA BARAKZAI	BAGH RUBAT	AKRAM KALY	500.00	30.00	6.00	12.00	360
498	NAWA BARAKZAI	BAGH RUBAT	NAQELINE	800.00	50.00	6.25	12.00	600
500	NAWA BARAKZAI	HAZARAS	ASMATULLAH TAWELDAR	1000.00	100.00	10.00	11.00	1100
503	NAWA BARAKZAI	HAZARAS	DASTAGEER KHAN	1200.00	40.00	3.33	11.00	440
504	NAWA BARAKZAI	HAZARAS	HAJI GHULAM NABI	400.00	100.00	25.00	12.00	1200
499	NAWA BARAKZAI	HAZARAS	HAJI MULLAH WAKEEL	400.00	50.00	12.50	10.00	500
505	NAWA BARAKZAI	HAZARAS	KHODAY NAZAR KHAN	1300.00	40.00	3.08	11.00	440
501	NAWA BARAKZAI	HAZARAS	SADULLAH	1000.00	150.00	15.00	11.00	1650
502	NAWA BARAKZAI	HAZARAS	SARWAR KHAN KALY	600.00	180.00	30.00	12.00	2160
506	NAWA BARAKZAI	HAZARAS	SAYED AMAN AGHA	400.00	20.00	5.00	11.00	220
512	NAWA BARAKZAI	KHALACH	AKHUND KHAIL	400.00	50.00	12.50	10.00	500
515	NAWA BARAKZAI	KHALACH	CHANAKZAI	1000.00	120.00	12.00	10.00	1200
510	NAWA BARAKZAI	KHALACH	GHAIBI ZAI	300.00	30.00	10.00	10.00	300
513	NAWA BARAKZAI	KHALACH	KOTAKIAN	300.00	40.00	13.33	10.00	400
509	NAWA BARAKZAI	KHALACH	MASOZEY	300.00	80.00	26.67	12.00	960
511	NAWA BARAKZAI	KHALACH	SHABOZAY	500.00	80.00	16.00	11.00	880
516	NAWA BARAKZAI	KHALACH	SHALIZAR	400.00	50.00	12.50	10.00	500
514	NAWA BARAKZAI	KHALACH	SHERAMZAY	700.00	80.00	11.43	12.00	960
517	NAWA BARAKZAI	KHALACH	SULTAN ZAI	500.00	70.00	14.00	12.00	840
508	NAWA BARAKZAI	KHARAY	KHONCAZAI	280.00	50.00	17.86	12.00	600
507	NAWA BARAKZAI	KHARY	SULTANZAY	250.00	30.00	12.00	10.00	300
523	NAWA BARAKZAI	KHOSAR ABAD	FAQIRAN	500.00	100.00	20.00	11.00	1100
532	NAWA BARAKZAI	KHOSOR ABAD	BADUR KHAN	1000.00	50.00	5.00	11.00	550
530	NAWA BARAKZAI	KHOSOR ABAD	BESMILLAH KHAN	300.00	10.00	3.33	12.00	120
526	NAWA BARAKZAI	KHOSOR ABAD	HAJI GUL AGHA	500.00	30.00	6.00	11.00	330
528	NAWA BARAKZAI	KHOSOR ABAD	HAJI JAMAL KHAN	700.00	30.00	4.29	12.00	360
525	NAWA BARAKZAI	KHOSOR ABAD	HAJI JAN GUL	550.00	35.00	6.36	10.00	350
527	NAWA BARAKZAI	KHOSOR ABAD	HAJI ZARIF SHAH	600.00	20.00	3.33	12.00	240
524	NAWA BARAKZAI	KHOSOR ABAD	KHAN ALMAS	700.00	30.00	4.29	10.00	300
535	NAWA BARAKZAI	KHOSOR ABAD	LWAR GAWHARGAI	500.00	3.00	0.60	10.00	30
531	NAWA BARAKZAI	KHOSOR ABAD	MALIK DIN ZAY	1200.00	120.00	10.00	12.00	1440
533	NAWA BARAKZAI	KHOSOR ABAD	SARPAZHAI	500.00	20.00	4.00	10.00	200
520	NAWA BARAKZAI	KHOWABA	AZD SHAH KHAN	800.00	120.00	15.00	12.00	1440
521	NAWA BARAKZAI	KHOWABA	FASIL	3000.00	200.00	6.67	12.00	2400
519	NAWA BARAKZAI	KHOWABA	HAJI MOHAMMAD AMIN	800.00	100.00	12.50	12.00	1200
518	NAWA BARAKZAI	KHOWABA	HAJI TOOR AKA	1500.00	180.00	12.00	11.00	1980
522	NAWA BARAKZAI	KHOWABA	NAZAR MOHAMMAD	680.00	70.00	10.29	12.00	840
534	NAWA BARAKZAI	KHUSER ABAD	HAJI MOHD UMAR	1000.00	50.00	5.00	10.00	500
536	NAWA BARAKZAI	KSHATA GOHARGY		1000.00	20.00	2.00	12.00	240
538	NAWA BARAKZAI	LANDI SHAKH	POPULZAI	450.00		0.00	11.00	0
540	NAWA BARAKZAI	LANDI SHAKH	SAYEDAN	300.00	50.00	16.67	12.00	600

Opium poppy cultivation by village in Helmand province, 1994.

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield kg /jerib	Total kgs
539	NAWA BARAKZAI	LANDY SHAKH	AKHTAR MOHAMMAD KALY	800.00	110.00	13.75	11.00	1210
541	NAWA BARAKZAI	LANDY SHAKH	KALAWAL	400.00	40.00	10.00	12.00	480
537	NAWA BARAKZAI	LANDY SHAKH	MUMBASHAN	350.00	50.00	14.29	10.00	500
542	NAWA BARAKZAI	LWOR GAWHARGAI	SHARQEE	250.00	3.00	1.20	10.00	30
543	NAWA BARAKZAI	MALLY ZAYEE		1000.00	15.00	1.50	10.00	150
545	NAWA BARAKZAI	MANGAL ZAYEE	ABDUL BAGI	350.00	10.00	2.86	12.00	120
546	NAWA BARAKZAI	MANGAL ZAYEE	SHAHESTA KHAN	400.00	10.00	2.50	9.00	90
544	NAWA BARAKZAI	MANGAL ZAYEE	SUR GUL KHAN	600.00	15.00	2.50	11.00	165
552	NAWA BARAKZAI	NAGARY	BARAT KHAN	900.00	80.00	8.89	11.00	880
549	NAWA BARAKZAI	NAGARY	HAJI LALY KHAN	700.00	80.00	11.43	9.00	720
547	NAWA BARAKZAI	NAGARY	SAHEB KHAN	800.00	600.00	75.00	10.00	6000
551	NAWA BARAKZAI	NAGARY	SAKHI DAD	900.00	120.00	13.33	12.00	1440
550	NAWA BARAKZAI	NAGARY	SHAH ZADA KHAN	900.00	100.00	11.11	12.00	1200
548	NAWA BARAKZAI	NAGARY	TAJ MOHAMMAD	900.00	110.00	12.22	12.00	1320
553	NAWA BARAKZAI	PHAIZONO JAN KOOR	NIKE NAM	400.00	20.00	5.00	12.00	240
554	NAWA BARAKZAI	TABAND	CHEHELWODO	150.00	90.00	60.00	10.00	900
556	NAWA BARAKZAI	TABAND	SEH BOZI	250.00	15.00	6.00	11.00	165
555	NAWA BARAKZAI	TABAND	SHAHIDAN ZAHIR	650.00	120.00	18.46	10.00	1200
529	NAWA BARAKZAI		KHOSOR ABAD	300.00	50.00	16.67	11.00	550
	NAWA BARAKZAI Total			**51230**	**5037**	**10**	**11**	**55407**
198	SARBAN QALA	3 SANGAR		40.00	18.00	45.00	13.00	234
172	SARBAN QALA	AHMAD ZAY	CHAHAR DAYH	300.00	240.00	80.00	10.00	2400
173	SARBAN QALA	AHMAD ZAY		180.00	120.00	66.67	10.00	1200
171	SARBAN QALA	AKHOND ZADA KHAIL		180.00	110.00	61.11	9.00	990
178	SARBAN QALA	BARAK ZAY		150.00	50.00	33.33	9.00	450
174	SARBAN QALA	BAZAR SANGINE		350.00	300.00	85.71	10.00	3000
175	SARBAN QALA	BLOZY		400.00	200.00	50.00	10.00	2000
176	SARBAN QALA	BOSTAN ZAY		300.00	200.00	66.67	10.00	2000
177	SARBAN QALA	BOSTAN ZAY		800.00	685.00	85.63	11.00	7535
194	SARBAN QALA	CARDSAW		500.00	395.00	79.00	11.00	4345
181	SARBAN QALA	CHADAR KAREZE		350.00	260.00	74.29	10.00	2600
185	SARBAN QALA	CHAKA		400.00	180.00	45.00	11.00	1980
184	SARBAN QALA	CHEENA		90.00	60.00	66.67	10.00	600
183	SARBAN QALA	CHINARY		230.00	185.00	80.43	10.00	1850
182	SARBAN QALA	CHONMAK		500.00	390.00	78.00	9.00	3510
186	SARBAN QALA	FIROZY		350.00	200.00	57.14	10.00	2000
191	SARBAN QALA	JOSHALEE	ABDUL QAYUM	200.00	140.00	70.00	10.00	1400
190	SARBAN QALA	JOSHALEE	HABIBULLAH	200.00	100.00	50.00	10.00	1000
189	SARBAN QALA	JOSHALEE	HAJI ABDULLAH	200.00	120.00	60.00	11.00	1320
193	SARBAN QALA	KALA WALL		150.00	70.00	46.67	11.00	770
192	SARBAN QALA	KANK	KANK	120.00	90.00	75.00	9.00	810
187	SARBAN QALA	KARMAB		300.00	225.00	75.00	9.00	2025
195	SARBAN QALA	KATOZY		400.00	170.00	42.50	10.00	1700
188	SARBAN QALA	KHARATYAN		300.00	180.00	60.00	10.00	1800
201	SARBAN QALA	MIYAN RODI	KHAKREZ	40.00	18.00	45.00	10.00	180
200	SARBAN QALA	MIYAN RODI	LIWANAEE	200.00	145.00	72.50	10.00	1450
199	SARBAN QALA	MIYAN RODI		160.00	99.00	61.88	10.00	990
202	SARBAN QALA	MOHAMMADYAN		100.00	70.00	70.00	11.00	770
196	SARBAN QALA	MULA ZAY		1800.00	1100.00	61.11	9.00	9900
203	SARBAN QALA	NANGAZY		500.00	380.00	76.00	9.00	3420
205	SARBAN QALA	PAI GHARKY		500.00	380.00	76.00	9.00	3420
209	SARBAN QALA	PANAZAY		160.00	110.00	68.75	10.00	1100
207	SARBAN QALA	PAYAN KALI	HAJI ABDUL WAHAB	700.00	610.00	87.14	8.00	4880

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield	
							kg /jerib	Total kgs
206	SARBAN QALA	PAYAN KALI	HAJI FATAY MOHAMMAD	800.00	690.00	86.25	10.00	6900
208	SARBAN QALA	POSHTY		200.00	120.00	60.00	11.00	1320
180	SARBAN QALA	SAR GHARKY		200.00	140.00	70.00	10.00	1400
179	SARBAN QALA	SAR POZA		180.00	130.00	72.22	10.00	1300
197	SARBAN QALA	SAYAN RODI	3 SANGAR	40.00	18.00	45.00	13.00	234
204	SARBAN QALA	TAKOZAY		300.00	150.00	50.00	11.00	1650
213	SARBAN QALA	TOGHEE	JAMAL ZAY	200.00	130.00	65.00	12.00	1560
212	SARBAN QALA	TOGHEE	KALA WALL	200.00	150.00	75.00	12.00	1800
211	SARBAN QALA	TOGHEE	PAI COW	200.00	160.00	80.00	12.00	1920
210	SARBAN QALA	TOGHEE	SANK CHAL	200.00	125.00	62.50	12.00	1500
214	SARBAN QALA	TORI UBA		50.00	30.00	60.00	9.00	270
216	SARBAN QALA	ZAFRANI		170.00	140.00	82.35	10.00	1400
217	SARBAN QALA	ZARD REGEE		270.00	195.00	72.22	10.00	1950
215	SARBAN QALA	ZEDANAN		300.00	240.00	80.00	9.00	2160
	SARBAN QALA Total			**14460**	**10018**	**69**	**10**	**100180**
408	WASHIR	AJRUM		500.00	300.00	60.00	11.00	3300
409	WASHIR	ALAH GHOLI		200.00	110.00	55.00	12.00	1320
410	WASHIR	AMIRMOMTA		300.00	190.00	63.33	12.00	2280
411	WASHIR	AOR BAND		200.00	145.00	72.50	12.00	1740
412	WASHIR	AORQULY		260.00	90.00	34.62	11.00	990
413	WASHIR	ASIA-E-WASHIR		700.00	540.00	77.14	13.00	7020
414	WASHIR	BAGHAK		240.00	160.00	66.67	13.00	2080
415	WASHIR	BAKHSABAD		550.00	300.00	54.55	11.00	3300
416	WASHIR	BIABANK		400.00	215.00	53.75	12.00	2580
420	WASHIR	CHAH DARAZ		250.00	180.00	72.00	11.00	1980
419	WASHIR	CHAH GOLY		240.00	140.00	58.33	10.00	1400
417	WASHIR	CHAKAB		350.00	160.00	45.71	12.00	1920
421	WASHIR	DELBAR KHAN KALY		300.00	135.00	45.00	11.00	1485
423	WASHIR	DUZDAKE PAYAN		290.00	90.00	31.03	11.00	990
422	WASHIR	DUZNO		200.00	120.00	60.00	12.00	1440
424	WASHIR	FAIZ ABAD		280.00	70.00	25.00	11.00	770
448	WASHIR	FOLAD	MALGHZAR KAREZ	200.00	170.00	85.00	13.00	2210
425	WASHIR	GALABED		400.00	320.00	80.00	12.00	3840
426	WASHIR	GAME BARDAH		250.00	130.00	52.00	12.00	1560
427	WASHIR	GANDA CHAH		250.00	120.00	48.00	10.00	1200
418	WASHIR	GANDA MUSHK		260.00	180.00	69.23	12.00	2160
428	WASHIR	GORAZAN		400.00	275.00	68.75	12.00	3300
429	WASHIR	HAJI RASHED KHAN		300.00	120.00	40.00	12.00	1440
430	WASHIR	JAMAL KAREZ		120.00	75.00	62.50	11.00	825
435	WASHIR	KANDAR	CHASHMA	400.00	260.00	65.00	11.00	2860
439	WASHIR	KAREZ ALIMULLAH		300.00	201.00	67.00	12.00	2412
438	WASHIR	KAREZ LANDAI		500.00	400.00	80.00	12.00	4800
443	WASHIR	KAREZ NAW		200.00	0.00	0.00	12.00	0
440	WASHIR	KAREZ ZYARAT		400.00	290.00	72.50	12.00	3480
437	WASHIR	KAREZ-E-NAW		170.00	65.00	38.24	11.00	715
436	WASHIR	KAREZ-E-SANG		120.00	60.00	50.00	11.00	660
442	WASHIR	KAREZAK		800.00		0.00	12.00	0
457	WASHIR	KESHK SAFID	QARIA MULLAH RASHED	300.00	200.00	66.67	12.00	2400
431	WASHIR	KESHWAR		600.00	430.00	71.67	12.00	5160
432	WASHIR	KHAYRADY		500.00	240.00	48.00	12.00	2880
433	WASHIR	KHORASAN		400.00	300.00	75.00	12.00	3600
434	WASHIR	KHWAJA ZANGI BABA		130.00	90.00	69.23	12.00	1080
441	WASHIR	KRACKAN		200.00	165.00	82.50	13.00	2145

Opium poppy cultivation by village in Helmand province, 1994.

FORM NO	DISTRICT	MAIN VILLAGE	SUB VILLAGE	Total Cultivated Land (jeribs)	Poppy Cultivated Land (jeribs)	Poppy Cultivated Land %	Opium Poppy Yield	
							kg /jerib	Total kgs
445	WASHIR	LANDY KAREZ		350.00	240.00	68.57	11.00	2640
444	WASHIR	LANGAR		70.00	52.00	74.29	13.00	676
446	WASHIR	LAPATU		300.00	220.00	73.33	12.00	2640
447	WASHIR	LOREBALA		500.00	392.00	78.40	12.00	4704
449	WASHIR	MANZARAKA		160.00	70.00	43.75	11.00	770
451	WASHIR	MARGHOZAR		200.00	170.00	85.00	14.00	2380
468	WASHIR	MARKAZ WASHIR		300.00	200.00	66.67	12.00	2400
450	WASHIR	MIYAN SHAHR		180.00	70.00	38.89	12.00	840
452	WASHIR	NAKHON BIRA		250.00	210.00	84.00	12.00	2520
453	WASHIR	PADAKA		700.00	460.00	65.71	12.00	5520
454	WASHIR	PAYAWAK		400.00	280.00	70.00	12.00	3360
459	WASHIR	QALA NAW		180.00	70.00	38.89	12.00	840
455	WASHIR	QALA-E-NAZARGAH		80.00	65.00	81.25	13.00	845
458	WASHIR	QARYA-E-GESTAN		300.00	230.00	76.67	12.00	2760
456	WASHIR	QARYA-E-NOWDEH	LONDAK	280.00	80.00	28.57	11.00	880
463	WASHIR	SANGILAN	ABAD GHONDEE	260.00	140.00	53.85	12.00	1680
465	WASHIR	SAR FOLAD		600.00	100.00	16.67	12.00	1200
460	WASHIR	SHAH MIRZA KAREZ	NAW ABAD	350.00	180.00	51.43	12.00	2160
462	WASHIR	SHAYKH ABAD		200.00	125.00	62.50	12.00	1500
461	WASHIR	SHONKAY		150.00	110.00	73.33	12.00	1320
464	WASHIR	SULTAN MOHAMMAD		160.00	95.00	59.38	11.00	1045
466	WASHIR	TAKHOMAK		200.00	125.00	62.50	12.00	1500
467	WASHIR	TUT SHAH		200.00	160.00	80.00	12.00	1920
469	WASHIR	WOLGAK		190.00	60.00	31.58	10.00	600
470	WASHIR	ZIA KALY		300.00	110.00	36.67	12.00	1320
	WASHIR Total			**19320**	**11050**	**57**	**12**	**132600**
	Provincial Total			**443268**	**169263**	**38**	**12**	**2031156**

NOTE: Total weight of wet opium for district and provincial levels is calculated from average yield.

Smaller village (less than 30 families) were combined with the neighbouring families to meet the criteria of questionnaire completion. The village group was indicated on the survey map.

The group selection for interview was to have a knowledge of the cultivated land of the area and the communities.

Field Survey work was monitored and assisted by ADCRP staff to ensure accuracy of interviews conducted. Each completed form was checked and verified in the field by ADCRP staff to maintain levels of accuracy. Moreover all enumerators were debriefed in Quetta following their return from the field to extract all necessary information pertaining to the districts surveyed. The results of data analysis, debriefing of enumerators, discussions with farmers and visits to survey areas ensured accuracy of the information obtained.

Method of Data Analysis

Completed questionnaires were checked and verified for accuracy by HAFO staff before computer data entries. The data collected was entered by HAFO on a database format provided by ADCRP for processing and analysis. The data entries were also checked and verified by ADCRP before processing for final analysis purposes.

The data was classified and presented in tables rounded to zero decimal points for all districts surveyed. For data analysis purposes frequency distribution, percentages and arithmetic average were used.

Survey Limitations

Although all villages in the survey area and areas of cultivated land were covered, group interviews did not necessarily provide equal opportunities for every farmer to freely express and present his view points. Moreover the information extracted covered only a limited section of the community and did not include interviews with women. It should be realised that in this respect a certain bias should be expected.

Training

Prior to the collection of data eight enumerators and a field survey supervisor underwent intensive training in Quetta covering a one week period. The HAFO trainer with the assistance of ADCRP staff trained enumerators and the field survey supervisor in the following areas.

1. Objectives of the Baseline Survey.
2. Questionnaire format and criteria for completion.
3. Maps of the districts under survey.
4. Village concept.
5. Use of Enumerator notebooks.
6. Skills and knowledge relating to conducting group interviews and selection of groups.

During training sessions each enumerator was given the opportunity to raise questions in order to clarify any ambiguities regarding data collection tools and methods for conducting group interviews.

In explaining survey objectives emphasis was placed on the need for collecting reliable and comprehensive data.

The structure and composition of the questionnaire format was discussed to ensure survey teams clearly understood the requirements. Queries on the format of the questionnaire and questions were clarified.

Enumerators were familiarised with the parameters which defined the concept of the Afghan village. Each enumerator was provided with a map of the district to be surveyed and trained on the use of these maps. Enumerators were taught to utilise both the maps and the services of the local guides in identifying and locating villages. In case of changes to the location of villages they were instructed to mark the alterations on the maps in the space surrounding the village specifying the exact location of the village consistent with the natural direction of the main village.

To obtain more accurate and reliable information correct use of enumerator notebooks was explained to the survey teams in order to accurately record additional information covering the survey area. During training sessions it was explained that alterations to maps were to be entered in the notebooks so they could be utilised for debriefing purposes and the updating of the maps by the cartographers as necessary.

Following completion of training the performance of each enumerator was evaluated and verified.

DEMOGRAPHY

In line with the survey objectives emphasis was placed on the analysis and interpretation of data on village and family size, repatriation of refugees, employment opportunities and village leadership in the areas under survey. Recognizing the nature and characteristics of each of these demographic aspects was considered necessary to providing information for planning purposes to enable ADCRP supply and demand reduction strategy on illicit crop cultivation and drug abuse to meet its objectives.

Village and Family Size

In comparison to the pre-war period before 1977 the total number of families settled in the districts surveyed increased from 75,815 to 87,336 families indicating a rise of 15%. This rate of increase was low in Nad-e Ali district (2%) and reached a high of in Kajaki and Nawa Barakzai district (33%). Parallel to the increase in the total number of families settled in the village average family size increased from six to nine members during the same period indicating a 50% increase. This ranged from 29% in Baghran to 167% in Washir district (Table.2).

Table 2: Total number of families and average family size in 9 districts surveyed.

No	District	Total Number of Families							Average Family Size		
		1977 Pre-war	1994								
			Present		Refugee		Total	Increase	1977	1994	1977-94 Increase
		No	No	%	No	%		%			%
1	BAGHRAN	11723	13279	96	533	4	13812	18	7	9	29
2	KAJAKI	8276	10833	98	189	2	11022	33	8	12	50
3	MUSA QALA	9597	10206	100	29	0	10235	7	8	11	38
4	NAD-E ALI	15159	13426	87	2083	13	15509	2	7	10	43
5	NAHR-E SARAJ	9140	8583	88	1132	12	9715	6	5	8	60
6	NAW ZAD	11027	12791	93	1006	7	13797	25	5	7	40
7	NAWA BARAKZAI	4428	5010	85	870	15	5880	33	7	12	71
8	SARBAN QALA	2809	3440	100	0	0	3440	22	4	8	100
9	WASHIR	3656	2858	73	1068	27	3926	7	3	8	167
	Total	75815	80426	92	6910	8	87336	15	6	9	50

This increase in the total number of families and family members indicated a changing trend from extended family to nuclear family, a resultant phenomenon of migration during the war in Afghanistan. The mounting socio-economic problems associated with unplanned population growth compounded by war damage, the destruction of village infrastructure and setback to economic sectors (particularly agriculture and irrigation systems) reflect the urgent needs of communities for assistance in the reconstruction process in the province.

Repatriation

Based on information from farmers the average repatriation rate of 58% in the survey districts was considered high. This was especially the case in Sarban Qala district where all refugee families returned. The next highest rate of repatriation was to Nehr-e Saraj and Nawa Barakzai districts where most families (76%) returned (Table 3).

Table 3: Refugee repatriation pattern in 9 districts surveyed.

No	District	Families					
		Returned		Not Returned		Total Refugee Families	
		No	%	No	%	No	%
1	BAGHRAN	56	10	533	90	589	100
2	KAJAKI	42	18	189	82	231	100
3	MUSA QALA	44	60	29	40	73	100
4	NAD-E ALI	1098	35	2083	65	3181	100
5	NAHR-E SARAJ	3575	76	1132	24	4707	100
6	NAW ZAD	483	32	1006	68	1489	100
7	NAWA BARAKZAI	2705	76	870	24	3575	100
8	SARBAN QALA	974	100	0	0	974	100
9	WASHIR	743	41	1068	59	1811	100
	Total	9720	58	6910	42	16630	100

The trend in the spring of 1994 was different and local farmers stated they did not expect a large number of refugees to return during this period. In fact only 678 families (4%) of the total number were actually recorded. Nawa Barakzai district which had previously recorded a higher influx was reported to have received no refugee families in the spring of 1994 (Table 4).

Results obtained from the data collected indicated the availability of agricultural land as playing an important role in the process of repatriation. More families repatriated to districts where comparatively larger areas of agricultural land were available. Damage caused to economic sectors and village infrastructure, low employment opportunities and lack of long-term security were all factors influencing the low rate of repatriation.

LIST OF FIGURES

EXECUTIVE SUMMARY

Background

In 1989 the Afghanistan Drug Control and Rural Rehabilitation Project (ADCRP) prioritised Helmand as one of the target provinces for the implementation of supply and demand reduction activities aimed at curbing illicit crop cultivation through the funding of multi-sectoral rehabilitation sub-projects and awareness creation on drug abuse issues. To obtain accurate and reliable information a Baseline Survey emphasizing the status of illicit crop cultivation, drug abuse and trafficking in conjunction with community needs in agriculture, irrigation and village infrastructure was carried out by Helping Afghan Farmers Organisation (HAFO) in Helmand province between March 15th and June 14th, 1994.

Methodology

Following selection and intensive training of enumerators on the use of data collection tools and village survey interview techniques four survey teams consisting of two enumerators and one local guide were sent to the districts. On the basis of village definition (30 to 100 families) and using survey maps the services of local guides were utilized in identifying and surveying all the villages in nine districts of Helmand province. One questionnaire was completed for each village and a group of five to ten readily available farmers were interviewed in each village. The data collected was entered on a computer database format produced by ADCRP for processing and analysis of data from the surveyed areas. A total of 1,236 villages were surveyed and 9,124 farmers interviewed.

Demography

Based on demographic information obtained through the survey it was observed that the total number of families settled in the districts increased from 75,815 in 1977 to 87,336 in 1994, an average increase of 15%. Average family size increased from 6 to 9 members in the same period. Average rate of refugee repatriation reported by farmers was 58% of the total number of refugee families. Availability of agricultural land in districts was found to have played an important role in the repatriation process where scarcity of land exerted a negative influence. Main factors for the low rate of repatriation were found to be damage sustained to village infrastructure, limited employment opportunities and the lack of long-term security.

The traditional pattern of leadership has altered significantly and research showed village leadership ranking to be commanders first followed by maulavis, elders, maliks, khans, teachers, traders and finally government employees.

Agriculture

The role of agriculture and animal husbandry as factors influencing the level of employment in the rural districts was significant with irrigation being the most important sector. Farm size per family averaged twenty jeribs (five jeribs equate to one hectare).

Helmand province located in south-western Afghanistan is famous for cotton production. In addition wheat, rice, maize and pomegranates are widely grown in many parts of the province. A considerable proportion of labour and land are utilised in opium poppy cultivation.

Main cereal crops include wheat, rice, maize and barley, while pomegranates, grapes, apricots, plums, figs, apples, peaches, almonds and mulberries constitute the majority of horticultural produce. Cash crops such as cotton, tobacco, cumin, oil crops and mustard are widely grown and vegetable production includes onions, potatoes, tomatoes, egg plant, spinach, garlic, leeks, pumpkins, water melons, melons, green beans, cucumbers and carrots. Opium poppy and Cannabis are the two illicit crops cultivated in the province.

Canal irrigation systems provide the main form of irrigation water supply to farmers but blocked canals and damage or destruction to intakes have resulted in major problems to irrigation systems.

As a result of past years of war and factional infighting severe economic pressures and rural poverty have left many families landless. Landless families ranged from an average of eleven in Baghran and Washir to up to thirty five per village in Nahr-e Saraj district.

Much of the farm power is provided by animal traction.

Illicit Crop Cultivation

Illicit crop cultivation has a long history in some districts in Helmand province and present level of opium poppy cultivation in relation to those of the prime producing provinces was found to be high. Of 443,268 jeribs of cultivated land 169,263 jeribs representing 38% was under opium poppy cultivation in the districts surveyed. In the majority of the villages in these districts (88%) farmers cultivated opium poppy as a means to obtaining a higher income.

Cost of seed averaged Afs[1].542/jerib (applied at 1 kg/jerib at a cost of Afs.542/kg).

An average 48 kg diammonium phosphate (DAP) fertiliser was applied per jerib at a cost of Afs. 457/kg equating to a total cost of Afs.21,936/jerib. In addition 79kg/jerib of urea fertiliser costing Afs.396/kg was applied at a total cost of Afs.31,284/jerib.

An average of 116 man-days were required for the cultivation of one jerib of opium poppy costing Afs.2,812/man-day for weeding and Afs.8,854 for sap collection.

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[1]Afs 40 = Rs 1 = US $ 0.0333 official rate

Average total cost for cultivating and harvesting opium poppy was found to be Afs.730,390/jerib.

On average 82% of the farmers sold their opium within their village.

The average yield of wet opium amounted to 12 kg/jerib. The total amount of wet opium produced in the districts covered by the survey was 2,031 metric tonnes. Assuming a 30% reduction upon drying, 1,422 metric tonnes dry opium was produced. Average price of wet opium was Afs.84,140/kg, average gross income Afs.1,009,680/jerib and average net income Afs.279,290/jerib.

In general it was found that people with limited land, large land owners and high income earners were mostly engaged in opium poppy cultivation, smugglers, businessmen (entrepreneurs), unemployed and high income earners were found to be involved in drug trafficking while the unemployed, people with limited land, large land owners and higher income earners mostly used drugs.

In order of influence among the community in deterring farmers from cultivating opium poppy maulavis ranked the highest, followed by elders, maliks, teachers and traders with commanders being at the bottom of the scale. Much of the community either favoured complete eradication of illicit crop cultivation or its substitution by another crop.

The cultivation of opium poppy directly impacted on the lives of villagers themselves. A total of 1,100 addicts were identified in the villages surveyed although levels of awareness on drug abuse issues were found to be high.

Village Infrastructure

Many of the houses in the survey area were constructed using mud. Roofs were constructed using wooden beams. Most village access roads were free of mines but their condition was considered poor being largely passable only in the dry season as they required draining, leveling and surfacing.

Destruction to schools and clinics was generally higher than to houses and mosques. Reconstruction priorities in order of importance were found to be mosques first followed by schools, clinics and houses. Nineteen Non Governmental Organisations (NGOs) were involved in community reconstruction and rehabilitation in nine districts covered by the survey.

MAJOR FINDINGS

1. On average the survey recorded a 15% increase in the total number of families and a 50% increase in the number of members per family in each village in the survey area.

2. Out of a total of 16,630 refugee families 58% were recorded as having already returned to their villages with an additional 4% expected to return in the spring of 1994.

3. Of available manpower 76% were employed as labourers and 11% earned their living from livestock in the districts surveyed.

4. Village leadership positions were ranked in the following order of importance: Commanders, Maulavis, Elders, Maliks, Khans, Teachers, Traders and finally Government employees.

5. The average land holding per family was 20 jeribs.

6. On average the survey recorded a distribution of two tractors and eight oxen per village.

7. Wheat, maize, rice and barley constituted the main cereal crops being grown. Pomegranates, grapes, apricots, plums, figs, apples, peaches, almonds and mulberries the main horticultural crops and onions, potatoes, tomatoes, egg plant, spinach, garlic, leeks, pumpkins, water melons, melons, green beans, cucumbers and carrots the main vegetable crops. Cash crops were cotton, tobacco, cumin, oil crops and mustard with opium poppy and Cannabis being the two illicit crops under cultivation.

8. The total area of land under cultivation was found to be 793,408 jeribs of which 757,498 jeribs (95%) was irrigated and 35,910 jeribs (5%) was rainfed in the districts surveyed.

9. Canal irrigation systems were most common in the districts surveyed.

10. Irrigation water was largely supplied through canals and rehabilitation problems associated with the canal irrigation systems resulted mainly from blocked canals and damage or destruction to intakes.

11. Illicit crop cultivation has a long history in some districts of Helmand province.

12. A relationship was found to exist between the area of land owned and the extent of opium poppy cultivation which decreased in proportion to the increase in land holdings.

13. Total land under opium poppy cultivation was recorded as being 169,263 jeribs or 38% in the districts surveyed.

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AFGHANISTAN DRUG CONTROL AND RURAL REHABILITATION PROGRAMME

AFG/89/580

BASELINE SURVEY

HELMAND PROVINCE, AFGHANISTAN

Funded by
United Nations International Drug Control Programme

Implemented by
United Nations Development Programme

November, 1994

14. Farmers in 88% of the villages in the survey area indicated they cultivated illicit crops for the purpose of obtaining a higher income.

15. On average 1 kg opium poppy seed, 48 kg diammonium phosphate (DAP) and 79 kg urea fertiliser were applied per jerib of opium poppy land.

16. The average cost of opium poppy seed was Afs.542/kg, diammonium phosphate Afs.457/kg and urea Afs.396/kg.

17. Labour inputs for the cultivation of one jerib of opium poppy averaged 116 man-days.

18. Average daily wages for weeding and sap collection amounted to Afs.2,812 and Afs.8,854 per man-day respectively.

19. The average wage for weeding and sap collection was Afs.5,833 per man-day.

20. Average total labour costs amounted to Afs.676,628/ jerib.

21. The average cost of inputs including seed, fertiliser and labour was Afs.730,390 per jerib.

22. Average yield of opium was 12 kg/jerib.

23. Total wet opium production was 2,031 metric tonnes which assuming a 30% reduction upon drying would equate to 1,422 metric tonnes of dry production in the districts surveyed.

24. Average price of raw opium was Afs.84,140/kg.

25. Average total gross income from opium was Afs.1,009,680 and net income Afs.279,290 per jerib.

26. 82% of farmers sold their opium within the village.

27. Small and large land owners and high income earners were mostly involved in opium poppy cultivation, smugglers, businessmen (entrepreneurs), unemployed persons and high income earners in trafficking of drugs and unemployed persons, small and large land owners and higher income earners in their use.

28. In order of importance categories of people who influenced farmers against the cultivation of illicit crops were primarily Maulavis followed by Elders, Maliks, Teachers, Traders and finally Commanders.

29. The majority of the people supported either complete eradication of illicit crop cultivation or its substitution by another crop.

30. A total of 1,100 addicts were reported in the districts surveyed.

31. In comparison to opium, hashish was widely used in villages covered by the survey.

32. The level of awareness on drug issues and problems associated with drug abuse was high in the villages covered by the survey.

33. 30% of village Infrastructure (houses, mosques, schools and clinics) require rehabilitation.

34. Reconstruction priorities of village infrastructure were identified as being mosques first followed by schools, clinics and houses.

35. Village access roads were generally found to be free of mines.

36. Access roads in most of the survey area were found to be in need of drainage, leveling and surfacing before they could be considered as passable during wet periods.

AFGHANISTAN DRUG CONTROL AND RURAL REHABILITATION PROGRAMME

AFG/89/580

BASELINE SURVEY

HELMAND PROVINCE, AFGHANISTAN



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